

RECORD

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VIRGINIA

<u>Shenandoah Nat. Park</u> , Thornton Gap, head of Hazel Hollow, Big Meadows Camp Ground, Big Meadows Bog, David Spring, Big Meadows	23385-23474	... 52-67
- Spitzlers Knoll, Crescent Rock, Skyline Drive w. of Paes Mountain, Jeremy's Run Overlook, Upper Overall Run, Bear Wallow	23475-23507	66-73

MARYLAND

College Park roadside	23508 72-73
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VIRGINIA

<u>Fairfax Co.</u> , Sleepy Hollow, Accotink Creek, bet. Ravensworth Station and Accotink Creek, Elkins, Great Falls of the Potomac, n.w. Hemlock Spring Overlook, Big Meadows Camp Ground	23508a-23577	.. 72-83
<u>Shenandoah Nat. Park</u> , Hemlock Spring Over- look, Big Meadows Camp Ground, saddle s.w. of Hawksbill Mt. n. of Spitzler Knoll, Rock Spring Shelter, Appalachian Trail w. slope Hawksbill Mt., Lewis Spring Shelter, canyon wall below Lewis Spring Shelter, falls of upper Hawksbill Creek, Swift Run Gap, near Crescent Rocks 23578-23695 ..	23578-23695	.. 82-103
- Headwaters of Thornton River below Thornton Gap, David Spring, Big Meadows, Big Meadows Bog, Big Meadows Camp Ground, Bootens Gap	23696-23740	102-111
- Skyline Drive at Bush Mt., n. of Lewis Mt. Picnic Ground, Kitee Deadening, Swift Run Gap, n.e. of Simmons Gap, Rocky Mountain Run, s. of Beagle Gap, Scott Mt. (Overlook)	23759a-23773	116-119

... 2

Collection and Field Note Book

No. 13

Feb. 20, 1945 - Oct. 21, 1945

(Nos. 23145 - 24224)

ECUADOR

- Santiago Zamora, Camillones, Rio San Francisco,
Quebrada Honda, Consuelo w. side of valley
of Rio Zamora 23145-23183
- Prov. Loja, ridge bet. Quebrada Jipiru and Rio
Jamora Cordillera Zamora (el Condor), Rio
Paquishapa, e. of Zaraguro 23184-23193
- Prov. Azuay, s. of Oña, along Rio Cumbe, slopes
of Volcan Pichincha, Prov. of Pichincha
..... 23194-23240

VIRGINIA

- Fairfax Co., Sleepy Hollow 23241-23246
- Falls Church, Sleepy Hollow, Fort Buffalo ..
..... 23247-23282
- Loudoun Co., Ashburn 23283-23301
- Fairfax Co., Sleepy Hollow 23302-23307

CONNECTICUT

- Litchfield Co., Hemlock Ridge 23308-23316

VIRGINIA

- Fairfax Co., Annandale Road and Holmes Run,
w. of Holmes Run and s. of Lee Boulevard,
Sleepy Hollow 23317-23371

MARYLAND

- Prince George Co., Plant Industry Station,
Beltsville 23372-23384

<u>Pages</u>	<u>Pages</u>
	VIRGINIA
	<u>Shenandoah Nat. Park</u> , Thornton Gap, head of Hazel Hollow, Big Meadows Camp Ground, Big Meadows Bog, David Spring, Big Meadows 23385-23474 ... 52-67
	- Spitters Knoll, Crescent Rock, Skyline Drive w. of Pass Mountain, Jeremy's Run Overlook, Upper Overall Run, Bear Hollow 23475-23507 66-73
2-11	MARYLAND
	College Park roadside 23508 72-73
	VIRGINIA
	<u>Fairfax Co.</u> , Sleepy Hollow, Accotink Creek, bet. Ravensworth Station and Accotink Creek, Elkins, Great Falls of the Potomac, n.w. Hemlock Spring Overlook, Big Meadows Camp Ground 23508a-23577 .. 72-83
	<u>Shenandoah Nat. Park</u> , Hemlock Spring Over- look, Big Meadows Camp Ground, saddle s.w. of Hawksbill Mt. n. of Spitter Knoll, Rock Spring Shelter, Appalachian Trail w. slope Hawksbill Mt., Lewis Spring Shelter, canyon wall below Lewis Spring Shelter, falls of upper Hawksbill Creek, Swift Run Gap, near Crescent Rocks 23578-23695 .. 82-103
20-21	
22-29	
28-33	
32-35	
	- Headwaters of Thornton River below Thornton Gap, David Spring, Big Meadows, Big Meadows Bog, Big Meadows Camp Ground, Bootens Gap 23696-23740 102-111
	- Skyline Drive at Bush Mt., n. of Lewis Mt. Picnic Ground, Kite Deadening, Swift Run Gap, n.e. of Simmons Gap, Rocky Mountain Run, s. of Beagle Gap, Scott Mt. (Overlook) 23759a-23773 116-119
36-37	
38-49	
48-51	

Collection and Field Note Book

No. 13 (Cont'd)

VIRGINIA	<u>Pages</u>	MASSACHUSETTS	<u>Pages</u>
<u>Fairfax Co.</u> , Sleepy Hollow 23774-23789	118-121		
<u>Shenandoah Nat. Park</u> , Thornton Gap, Booten's Gap, Crescent Rocks, Big Meadows, Pine Fields Leanto, Skyline Drive n.w. of Pinefield Leanto, ridge from main ridge of Blue Ridge to Rocky Mt., slope of Rocky Mount, Ivy Creek below Simmons Gap 23790-23910	122-141	n.w. of Woodville 24222	200-201
<u>Culpeper Co.</u> , Culpeper 23911	140-141	s. of Westboro 24223-24224 ...	202
<u>Fairfax Co.</u> , Holmes Run at Lee Blvd., bank of Potomac River below Gravelly Point Airport, Alexandria, Westgrove, Accotink, woods w. of Gunston, Gunston, near Potomac River at Little Hunting Creek, Hunting Creek Estuary 23912-23965 ...	140-153	* * *	
- Sleepy Hollow, along Turkeycock Run near Fairland, Potomac River at Little Hunting Creek w. of Mount Vernon, Lee Blvd. s. of Falls Church 23967-24004 ...	154-161		
<u>Shenandoah Nat. Park</u> , Swift Run Gap, below Pinefield Leanto, Brown Mt. Parking Over- look, Brown Mount Overlook, n.e. ridge of Rocky Mt. 24005-24089 ...	160-179		
<u>Rappahannock Co.</u> , just e. of Washington 24090-24091....	178-179		
<u>Princess Anne Co.</u> , near western tip of Seashore State Park, Cape Henry..... 24092-24207	178-197		
<u>Norfolk Co.</u> , Norfolk 24208	196-197		
<u>Fairfax Co.</u> , Sleepy Hollow . 24209-24213	198-199		
<u>Arlington</u> , bank of slough across from Washington Island, near end of Memorial Bridge 24214-24218	198-199		
<u>Fairfax Co.</u> , Sleepy Hollow . 24219-24230	200-201		
<u>Arlington Co.</u> , Arlington (Lyon Park) 24221 .	200-201		

Collection and Field Note Book

No. 13

Feb. 20, 1945 - Oct. 21, 1945

(Nos. 23145 - 24224)

Page

ECUADOR

<u>Santiago Zamora</u> , Camillones, Rio San Francisco, Quebrada Honda, Consuelo w. side of valley of Rio Zamora	23145-23183	2-11
<u>Prov. Loja</u> , ridge bet. Quebrada Jipiru and Rio Zamora Cordillera Zamora (el Condor), Ido Paquishapa, e. of Zaraguro 23184-23193	10-1	
<u>Prov. Azuay</u> , s. of Oña, along Rio Cumbe, slopes of Volcan Pichincha, <u>Prov. of Pichincha</u>		
..... 23194-23240	12-1	

VIRGINIA

<u>Fairfax Co.</u> , Sleepy Hollow 23241-23246	20-2	
Falls Church, Sleepy Hollow, Fort Buffalo ..		
..... 23247-23282	22-2	
<u>Loudoun Co.</u> , Ashburn 23283-23301	28-3	
<u>Fairfax Co.</u> , Sleepy Hollow 23302-23307	32-3	

CONNECTICUT

<u>Litchfield Co.</u> , Hemlock Ridge 23308-23316	36-3	
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VIRGINIA

<u>Fairfax Co.</u> , Annandale Road and Holmes Run, w. of Holmes Run and s. of Lee Boulevard, Sleepy Hollow	23317-23371	38-4
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MARYLAND

<u>Prince George Co.</u> , Plant Industry Station, Beltaville	23372-23394	48-5
--	-------------------	------

Collection and Field Note Book

No. 15

Feb. 20, 1945 - Oct. 21, 1945

(Nos. 23145 - 24224)

ECUADOR

<u>Santiago Zamora</u> , Camillones, Rio San Francisco, Quebrada Honda, Consuelo w. side of valley of Rio Zamora	23145-23183	.....	2-11
<u>Prov. Loja</u> , ridge bet. Quebrada Jipidru and Rio Zamora Cordillera Zamora (el Condor), Rio Paquishapa, e. of Zaraguro	23184-23193	....	10-1
<u>Prov. Azuay</u> , s. of Oña, along Rio Cumbe, slopes of Volcan Pichincha, <u>Prov. of Pichincha</u>	23194-23240	.....	12-1

VIRGINIA

<u>Fairfax Co.</u> , Sleepy Hollow	23241-23246	.....	20-2
Falls Church, Sleepy Hollow, Fort Buffalo ..			
.....	23247-23282	.....	22-2
<u>Loudoun Co.</u> , Ashburn	23283-23301	.....	28-3
<u>Fairfax Co.</u> , Sleepy Hollow	23302-23307	.....	32-3

CONNECTICUT

Litchfield Co., Heglock Ridge 2330B-23516 36-3

VIRGINIA

Fairfax Co., Annandale Road and Holmes Run,
w. of Holmes Run and s. of Lee Boulevard,
Sleepy Hollow 23317-23371 38-4

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Prince George Co., Plant Industry Station,
Beltsville 23372-23384 48-5

Page

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Nos. 73145 - 24234

Feb. 20, 1945 - Oct. 21, 1945

If found, please
return to F. R. Fosberg
R.F.D. #1, Holmes Run Rd.
Falls Church, Va.

L.C.S.

plate
folk center
wing
drum?

Feb. 20 - Canillones, Rio San Francisco, Valley of Rio Zamora, 18 km. E. of Loja, Prov. Santiago Zamora
wet wooded slope

23/45

Sarauja *Saurauia peruviana* Benth. 5500'

edge of brushy ravine in clearing

46 *Cinchona*
gentle slope

5000'

47

48 *Psychotria*49 *Lasiacis*

Feb. 20 - Quebrada Honda,
first affluent of Rio San Francisco on south side
above confluence with Rio Zamora,
20 km. E. of Loja, Prov. Santiago Zamora
along trail in wet wooded ravine

50 *Viola*

6000'

51 *Nertera granadensis*

A type of cindón called "hoja de lugos"
has been harvested here. Judging
from the sprouts that we left, it
was a large leaved form of *Coffea*.

shrub 1.5 m. tall, fls. white.

bare pole 3 m. tall, 8 cm.
thick, with one leafy
branch at top. "hoja de
lugos" (bare sample)
shrub, flowers in panicle,
pendent, pearl gray,
buds release a trickle
of water when pressed
gently.

small tree, flowers
yellowish, fruit red.
canes 1 cm. thick, hollow,
tangled in shrubs and
small trees.

creep except at base, fls. pale
lavender with purple center.
prostrate, mat forming,
fruits juicy, translucent
red, shiny.

37

Feb. 20 - Consuelo w. side
of valley of Rio Jamora just
below ~~the~~ confluence with
of Rio San Francisco, 22 km.

e. of Loja, Prov. Santiago Jamora
steep wet wooded slope

6400-6600'

22152

Cinchona
edge of clearing

1 50

Cinchona
thick woods

2 54

~~edge of clearing~~
thick woods

3 55

Cinchona
thick woods

4 56

brush at edge of clearing

5 57

Cinchona
~~dense forest~~ thick woods

6 58

thick woods

7 59

Cinchona
brushy clearing

tree 12 m. tall, 20 cm. thick.
leaves thin, dull above,
turning scarlet with age,
buds purple (one almost
open has tube red)

"hoja de capuli" (dark sample)
seedling 1 m. tall, leaves
thin, purplish beneath,
stipules reflexed.
vine climbing in trees,
fruits and fls. each between
2 bracts.

single living branch
on stub 5 m. tall, 2 cm.
thick. "hoja de capuli" (dark sample
from stub). lvs. dull, green.
herb tangled in brush, bracts
and fls. white.

sprout 6 m. tall, 4 cm. thick.
from large dead stump.
old leaves scarlet, dull
above. "hoja de capuli" (dark
sample from sprout).

slender herb, m. tall,
fls. scarlet, molla enlarged
and gibbous below, with
a small opening.
saplings 1 m. tall, leaves dull above,
thin, scarlet in age, not flat.

- Feb 20 - Rio San Francisco,
bet. bridges
and Canillones, 15-18 km. E. of
Loja, Prov. Santiago Zamora
bank of rail or wet wooded slope 1300-1400
- 23160 *Muhlenbeckia*
61 *Coccocypselum*
62 *Drymaria*
L 63 rare
- at Liabum
abundant
- 65 *Fuchsia*
abundant
- L 66 rare, on plant seen
occasional
- 67 occasional
- 68 *Phreesia*
occasional
- 69
- 70 *Mertensia gracilis*

(collected from horseback)

- vine, fls greenish, fruit white.
- prostrate, flowers purple, fruit blue
- stems ascending, fls. white
elongate scrambling
stems, some bare except
for flower clusters, corolla
and staminal column
bright yellow, anthers
grayish. ~~red~~
- herb, occurring in large
tangles, sap milky but
not abundant, leaves
nigrose above, fls yellow.
subfrutescent herbs 1-2
m tall, tangled in bushes,
flowers vermillion, pendent,
fruits red when ripe.
black when ripe, shiny.
herb, flowers bright pink.
- herb, corolla scarlet-red,
lobes paler, staminal
column white, anthers blue-gray,
rounded, round like
brush 1 m tall.
- prostrate, aromatic, fls lavender
prostrate, mat-forming,
fls. greenish, fruits green,
bright red, glossy, translucent

Feb 20 - ridge between the two main forks of Rio San Francisco above bridge
Cordillera de Janina, 12-15 km e. of Loja, Prov. Santiago Janina
well wooded ridge

27171

occasional

73 Hypolephantus
occasional in bushy places

73 Drymocallis

common in trail

74 Hedyotis
broad sterile at a wattle forest
alt., common up to summit of hill

75 Palicourea

76 Cirsium pubescens
along trail

L 77

Feb. 20 - around headwaters
of Rio San Francisco, Cordillera
Janina (el Condor), 11 km e. of
Loja, Prov. Santiago Janina

77 low wet bushy forest on steep slope
vertical bank, above trail

7000 elongate shrub, leaves glaucous
above, corolla deep crimson
yellow almost orange,
staminal column yellow
anthers bright red-purple
6500 shrub & m. tall flowers
orange with lighter and
darker stripes in throat
fls white

7000 mat forming, branched,
and leaves w. varieg.
flowers pale purple or
purple-white.

7200 shrub & tall flowers yellow, but no
sapling & m. tall, branched,
leaves dull above & peeled
tree much larger seen
nearby!

8000 (as in 7200)

7000 bolt like a liquid egg, but pale
translucent green calyx brownish
purple l. apex purple, but white.

10

1945 - Perú

- 23179 Solanum
earth bank
80 Cinchona micropyle
bushy crest
81 Podocarpus
occasional
82 Chusquea
common
83 Podocarpus
rare

Feb. 20 - Ridge between
head of Quebrada Japura and
headwaters of Río Jarma,
Cordillera Jarmosa (el Condor),
10 km. e. of Laja, Prov. Laja
wind-swept crest 4000'

- 84 Hedyotis
85 Hedyotis

Feb. 21 - Río Patagona,
S. de Paraguaná, Prov. Laja
var., badly eroded slopes 7900'

- 86 Dodonea viscosa L.
87 Drymocarpia
82, 89, 90 Hedyotis
91, 92, 93

Santiago Junca - Laja 11

prostrate woody shrub,
fls. purplish bronze.
tree 4 m tall, erect, leaves
glossy, variegated beneath,
veins impressed above,
petioles and veins red, old
leaves eddled.
sterile bushes 3 m. tall,
leaves not distichous.
tangled mass to 3 m. deep,
rather clumps seen in
fruit in the region.
tree 10 m tall, leaves
distichous, sterile
but bearing one-like
galls.

flowers white, long style.
flowers white, brevistylous
anthers purple.

shrub, m. tall.
fls. white
fls. white
(series to above variation)
(not differences in leaf size
or density of inf.)

12

1945 - Ecuador

Upper Feb. 21 - south of Oma, slope
of above Table de los Bosques, dry brushy, overgrazed slope

2900

23194 Croton

common

95 Dodonea viscosa

common

96 Cardiospermum ramosissimum

97 Poa

98 Pellaea ternifolia

99

23,200 Sagina

01 Hypericum

02 Erodium

03 Uvaria

04

05 Salvia

06 Salvia

common

07 Hedyotis

very abundant, apparently
not eaten by cattle08 Hedyotis
(same)

Falls.

Soyous Laja

13

low depressed bush,
shrubprostrate
tufts, infl. purplefls. purple white with
deep purple center
fls. white, petals bifid
fls. yellow
prostrate fls. bright blue
deep tap root fls. white
fls. purple, back yellowish
fls. blue
erect clumps fls. cream-
yellow.mass collection to show
proportions of longistylous
and brevistylous ~~fls.~~
plants each being representing
a clump. - cf. 23,200. Proportions
varied from one place to
another in colony. Buds
varied from pale pink to red.
sens. cf. #23,207, - 51 longistylous.

with ^{dry} Feb. 21 - Tablon de Oña, s. of

Oña, Prov. Azuay

dry very grazed gentle slope -
foot of hill. 3330

23209 Calliandra

10 Lantana

11 Verbena

12

13 Hedysotis
abundant, apparently not
eaten by cattle.

14 Hedysotis

same

15

Feb. 21 - Tablon de Oña, s. of

Oña, Prov. Azuay 3330

open field, gentle slope,
extremely grazed

15 Mimosa

16 Hedysotis

abundant

17 Hedysotis

abundant

fls bright red.

prostrate, fls. golden yellow.

prostrate, fls. rose-pink.

fls. rose-pink

mass collection each twig
from different clump to show
proportion of longistylous
and brevistylous plants.

22 longistylous - fls. white.

ab. # 33214.

same as # 33213 - 53 longistylous

flowers pink.

mass collection to compare -

proportion of longistylous

and brevistylous ~~fls.~~

plants, each twig from a
different clump, taken at
random - plants prostrate,
buds pink, fls. white.

57 brevistylous - cf. # 33217

same as # 33216 - 48 longistylous

16 1945 - Ecuador

16 Feb. 21 - Grade above Cumbre,
km. 26, along Río Cumbre, lat
3° 8' S., s. of Cuenca, Pichincha
brushy slope 10000'

17 Vateriana
dominant in brush

18 Asplenium

19 Polypodium

20 Galium hypoleucum

21 Galium

22 Cupatorium

23 Drymocallis

rare in turf

Feb. 25 - slopes of Volcan
Pichincha above Quito, Prov.
Pichincha 10000' - 11700'

24 in trail on black earth

25 Coriaria pilosa
in small opening in tall
brush, moist soil, abundant
locally.

26 Galium
in moist brush, small opening

27 Coriaria pilosa
in shade ~~on~~ on ground
in moist tall brush,
abundant locally.

Aguay - Pichincha 17

shrub 4 m tall, with
many straight erect
branches with numerous
leafy branchlets, fls.
whitish, clusters with
a rusty purple cast,
color of plant upward
erect

prostrate, fruit very fleshy
prostrate, fruit green,
prostrate
prostrate, fls. white
fls. white.

28 11500' prostrate
extensively creeping,
prostrate, with tips
of branches turned up,
fls. greenish, monocious,
fruit greenish.

29 11700' tangled in brush, flowers
reddish.
extensively creeping,
ends of branches turned up,
fls. greenish, monocious

18

1945 - Ecuador

- 23230 *Marettia*
moist brush
31 *Gaultheria*
earthy bank above trail
32 *Nertera*
earthy bank above trail
33 *Eryngium bonariense*
open grassy hilltop
34 *Eryngium bonariense*
open grassy hilltop
35 vertical earth bank
x *Hedysotis*
very abundant on grassy slope
37 brush along trail-side
38 *+*
trail side on grassy slope
39 *Drymonia*
vertical bank above trail

March 1 - Malecon Park,
Guayaquil, Guayas

0 m.

- 40 cultivated in park

Pichincha

19

- 11700' vines climbing through
brush, fls white.
11600' fruit pale green.
11600' prostrate, leaves thick,
crisped, flowers greenish,
fruit dark red, juicy.
11700' bracts greenish-white
above, fls. dull bluish.
Fruit turning purplish
brown.
10800' corolla white, calyx deep
purple.
10800' dwarf shrub, fls. white
"avete" 3 lobed and 5 lobes
fls. considered good luck.
herbaceous vine climbing
in brush, much branched,
fls. green, lobes reflexed.
fruit green, fleshy.
boring *Aechmea*, fls.
greenish, fruit green.
10100' diffuse, umbelliferous
whitish.

small tree 5 m. tall, 10 cm.
thick, leaves all pointing
downwards, back to back,
pale beneath, petals white,
slightly crisped, anthers
yellow, fruit immature
(stamens separate)

March 18 - Sleepy Hollow
Road where it crosses
Tripp's Run, 1½ mi. s.
of Falls Church, Fairfax Co.

23241 *Ulmus americana*
wooded bottom land
along stream.

✓ March 19 - north side of
Tripp's Run, 1 mi. s. of Falls
Church, Fairfax Co.

42 *Populus*
open woods above the
level of bottom lands, gentle slope

✓ March 20 - Sleepy Hollow Road
south of Tripp's Run, 1½ mi.
s. e. of Falls Church, Fairfax Co.

47 *Salix humilis* Marsh.
small colony at edge of wood,
Salix humilis Marsh
small colony at edge of wood.

March 24 - Sleepy Hollow, along
Tripp's Run, 1 mi. s. of Falls Church
Fairfax Co.

45 *Lindera benzoin*
swampy woods

same 1½ mi. s. of Falls Church
46 *Ulmus americana* L.
wooded bottom land along stream

tree 30 cm. thick, 7 m. tall,
flat topped with drooping
branches

small colony of large
trees 50 cm. thick, 20 dm. tall,
(could not be climbed so
leaves and catkins were
gathered up.)

bushes 1 m. tall, ♂

bushes 1.5 m. tall, ♀

bush 2 m. tall, fls. lemon
yellow, stems aromatic when broken.

Tree 30 cm. thick, 7 m. tall
(same tree as #23241) fruit green.

March 29 - Falls Church,

Fairfax Co.

- 23247 *Spiraea thunbergii* Liebm.?
cultivated

March 30 - Sleepy Hollow, along
Tripper's Run, 1.5 mi. s. of Falls
Church, Fairfax Co.

- 48 *Stellaria pubera*
sterile pebbly bank, edge
of woods
- 49 *Prunus americana*
over-slope just above stream

April 1 - same loc. 1-1.5 mi. s.

- 50 *Vaccinium atrococcum* Heller
swampy woods, occasional
- 51 *Symplocarpus foetidus*
abundant, swampy woods

- 52 *Vaccinium atrococcum* Heller
swampy woods, occasional

- 53 *Vaccinium atrococcum* Heller
swampy woods, occasional

- 54 *Dentaria*
wooded bottom-land
near stream

- 55 *Draba (Erophila) verna*
moist pasture

- 56
rocky slope in pasture

- 57 *Balix*
marsh with shrubs

shrub with long
wand-like branches,
petals white.

flos. white

shrub 4 m. tall,
flos. white.

1 m. tall, flos. greenish-pinkish-white

~~1.5 m. tall, flos. pinkish-white~~
~~spathe mottled bronze, plant~~
~~with foul odor when broken,~~
~~bush 1.5 m. tall, flos.~~
~~- pinkish white.~~

~~bush 2 m. tall, flos. greenish-~~
~~white, slight tinge of pink.~~
~~flos. pinkish white,~~
~~rhizome ~~soft~~ moniliform~~
~~disarticulating~~
~~flos. white~~

tree 8 m. tall

bush 2 m. tall

Apr 8 - same loc.

- 23258 *Hedysotis caerulea* (L.) Hook.
open weedy acid slope

59 *Clethra*

low wet place in pasture

- 60 *Pinus strobus* L.
~~old field with~~
scattered young pines
and a few deciduous trees

- 61 *Pinus virginiana* Mill.
same

- 62 *Pinus echinata* Mill.
same

63 *Ranunculus*

low wooded bottom-land

- 64 *Luzula campestris* var. *bulbosa*
Cut-over slope, scattered trees

- 65 *Viola* (?)
common under trees in
abandoned orchard

- 66 *Antennaria plantaginifolia*
earth bank along road
through woods.

- 67 *Ulmus americana* L.
wooded bottom-land along
stream

flowers lavender with
yellow throat
mass coll. to illustrate
ratio of brevistylous to
longistylous flowers.
dense carpet

tree 6 m. tall. (=Ewan 17118)

Tree 5 m. tall (=Ewan 17119)

tree 8 m. tall, twigs with
- tufted appearance (=Ewan 17120)
stems succulent, erect,
petals yellow. (=Ewan 17126)
caespitose

caespitose, rhizomes thick,
fleshy, flowers deep
violet, center white,
lower petal ~~has~~ with
white part with
dark violet reticulation.
[(=Ewan 17127)]

tree 30 cm. thick, 3 m. tall,
flat topped fruit mature
(same tree as # 23241, 23246)

- April 15 - same loc.
second-growth wooded slope,
mixed woods, rather open,
undergrowth sparse because
of former fire.
- 23268 *Vaccinium vacillans* Torrey
(contaminated with *V. atrococcum*)
- 69 *Gaultheria procumbens*
abundant
- 70 *Rhododendron nudiflorum*
common
- 71 *Vaccinium vacillans* Torrey
(contaminated with *V. atrococcum*)
- 72 ~~Rhododendron~~
nudiflorum
- 72 *Rhododendron nudiflorum*
common
- 73 *Vaccinium vacillans* Torrey
(perhaps slightly contaminated
with *V. atrococcum*, slight pubescence
on petioles)
- 74 *Rhododendron nudiflorum*
common
- 75 *Vaccinium stamineum*
- rare, one plant seen
- 76 *Vaccinium vacillans* x *atrococcum*
dense woods of *Pinus virginiana*,
not burned over.

Vaccinium atrococcum found in
bottom-land several hundred feet
away. Differences in *Rhododendron*
colors evident even in bud.

- plants 1-2 dm. tall, leaves
green, flowers greenish-white
tinged with pink.
- plants 3-5 dm. tall, or
more, fls. orange red,
greenish tinged.
- ~~do appear~~ ^{with} this plant almost white
flowers, pinkish stamens, rose style.
- plants 2-3 dm tall, leaves
reddish green, flowers
greenish pink.
- corolla tube pink, lobes
very pale, stamens pink,
style rose. odor unpleasant.
- plant 3 dm. tall, leaves
green, flowers greenish
white, turning reddish
with age.
- corolla tube deep rose,
lobes pink, stamens and
style rose, odor unpleasant.
(this & color most common)
flowers white.
- bush 6 dm. tall, flowers
greenish-white, tinged
with pink.

28 1945 Virginia

April 16, Fort Buffalo, 1 mi.

s.e. of Falls Church, Fairfax Co.
edge of woods along road

23277 *Pyrus arbutifolia*

78 *Limilax glauca*

79 *Robinia pseudoacacia*

80 *Paulownia tomentosa* (Thunb.) Baill.

April 16 - Sleepy Hollow,
1 mi. s. of Falls Church, Fairfax
old field with scattered
young pines and a few
young deciduous trees.

81 *Hedysotis caerulea* (L.) ~~Hork~~
column

82 *Fuzula campestris* var. ~~bulb~~^W
colony under pines.

April 19 - Ashburn, 6 mi. s.e. of
Leesburg, Loudoun Co.

abandoned clearing in pine
woods on red sterile soil
formed from weathered red
Triassic shale

83 *Cardamine arabica*

84 *Carya*

Fairfax Co. - Loudoun Co. 29

- shrub 2 m. tall, fruit immature
vine climbing in bushes,
leaves glaucous beneath,
tree 5 m. tall, flowers
fragrant, petals white,
calyx reddish,
tree 6 m. tall, panicles
erect, flowers & lavender,
petals white, petals yellow

mass coll. from which
description of fresh material
was written.

tufts, rhizomes bearing
white tubers.

- glaucous, flowers white.
tree 8 m. tall, 10 cm. thick, bark
not especially rough.

- 27235 *Saxifraga*
86 *Ranunculus*
87 *Ranunculus*
88 *Arabis*
89 *Veronica*
locally abundant
90 *Viola*
rare
91 *Viola blattacea*
locally abundant

92 *Ruegia virginica*
locally abundant
93 *Vaccinium stamineum*
common
94 *Antennaria plantaginifolia*
common
95 *Potentilla simplex*
common
96 *Hedysotis canula* (L) ~~Fig.~~ Hook.
common
some pine woods with little undergrowth, on soil derived from red trachite shale
97 *Vaccinium*
common

- flowers white
- fls. yellow, leaves dull
(growing with #27287)
- fls. yellow, leaves glossy
(growing with #27286)
- flowers white
and, ~~corolla~~ blue-violet,
- falling very readily.
flowers violet
- flowers lavender, paler
toward center, and with yellow
eye, lower 3 petals with
dark purple lines.
- flowers orange, closed
at 4:00 p.m.
- brushes from 3 to 10 dm. tall.
this one about 8 dm., flowers
white)
- stems decumbent, scape and
flowers bright yellow,
petals varying from
emarginate to round at
apex. This is not a good
distinguishing character.
- small tufts and solitary
plants, flowers lavender
with yellow eye.
- on soil derived from red trachite shale
3-5 dm tall, fls. pale green to
reddish, clones appear quite
uniform except that some
apparently similar but
sterile are almost glabrous

32

1941 - Virginia

23298 *Vaccinium*
several clones seen

99 *Vaccinium*
several clones seen

same loc. weedy
23300 *Acer negundo*
seedlings common
01
occasional in tall grass
and weeds.

Apr. 20 - Sleepy Hollow
old field

XO2 *Lonicera bella* Zabel f. *candida* Zell
old field with scattered brush
and small trees; several
plants of varying ages
seen in vicinity.

Apr. 21 same
old field with scattered
pine
03 *Pinus echinata*

Loudoun Co. - Fairfax Co. 33

bush 5-6 dm tall, flowers
~~pink~~ greenish white,
slightly pinkish
(with #23297 but less
common, leaves slightly
thicker, plant coarser)
bush 5 dm tall, flowers
greenish-white, slightly
pinkish. (like 23298
but from a different
clump)

- tree 6 m. tall fruit
clusters pendent.
flowers white

Lonicera ^{maroccana?}
shrub 1 m. tall, flowers
white, turning yellowish
with age, only faintly
fragrant, corolla lobes
somewhat revolute,
four of them directed
above the horizontal, one
downward

tree 8 m. tall (same
tree as #23262)

April 21 same loc.
wooded bottom land

23304 *Arisaema*

(Preliminary observations
on this mass coll. show
that ♀ and ♂ plants are much
less numerous than ♂; that
many factors assorted at
random are responsible
for color pattern, that
glossous, dull, and clear
green under side of blade
is not correlated with
anything else. No conclusion
were reached re to correlation
of width of leaflet base,
width of flange and
shape of flaff.)

April 25 same loc.

- 05 *Lonicera bella* f. *candida* Zabel. (*tatarica* × *morrowii*) bush 2 m. tall, flowers
roadside
- 06 *Veronica*
weed in lawn
- 07 *Prunus serotina*
~~steppe~~ common in
second-growth woods

mass collection of
1 infl. and 1 leaf from 103
many plants. These
examined fresh and notes
made for each on
color of peduncle, color pattern
of spathe inside and out,
color pattern of spadix
appendage, color of
rhachis of spadix, sex
of plant, color of anthers
and stigmas, color
of petiole and main
veins of leaves, and
whether or not leaf-blade
are glossy beneath.
(and on some plants in, acc.
stevenson, *Uromyces caladii*)

bush 2 m. tall, flowers
cream white, turning
yellow with age.
corolla ~~flowers~~ white, falling easily
small tree 5 m. tall,
petals white, concave.
(much larger trees in vicinity).

Apr. 30 - Hemlock Ridge, 4 mi.
w. of New Milford, 9 mi.
n. of Danbury, on
Candlewood Lake, Litchfield Co., Conn.
wooded slope and open meadow 100 m.

- 23308 *Anemone quinquefolia*
moss cushion in low
brush in meadow, with *23309
- 09 *Anemone quinquefolia*
common in low brush
in meadow
- {10 *Hedysotis caerulea* (L.) T. G. ^{Hook.} ♂
- {11 *Hedysotis caerulea* (L.) T. G. ^{Hook.} ♀
common in meadow,
forming conspicuous patches
- 12 *Hedysotis caerulea* (L.) T. G. ^{Hook.}
wet opening on thinly
wooded slope, scarce
- 13 *Ranunculus abortivus*
opening on thinly wooded slope
- 14 *Trillium*
opening on thinly wooded
slope, common (with *23315)
- 15 *Trillium*
(with *23314)
- 16 *Arisaema*
common on thinly wooded slope
and stigmas, sex of flowers,
color of petiole and main
veins of leaf, and whether
leaf-blade is green, dull
or glaucous beneath.

flowers white, leaves
purplish, rhizomes
white, growing tip breaking off easily.
flowers white, leaves
green, rhizomes white,
growing tip breaking off
easily.

color of corolla limb
varying from bright
lavender to almost white,
with lobed yellow eye.

fls. lavender with
yellow eye

petals yellow, small
petals wine-purple.

petals wine-purple
mass collection to show
variation, 1 leaf and 1 infl.
from 50 individuals. These
examined fresh and notes
made on color of peduncle,
color pattern of spathe inside
and out, color pattern of
sterile appendage of spathe =
whorl, color of anthers

May 6 - Where Annandale Road crosses Holmes Run, $2\frac{1}{2}$ mi.
s. of Falls Church, Fairfax Co.
old clearing near stream

- 23317 *Ranunculus*
small colony

- 18 *Carex*
common in sparse grass
19 *Arisaema*
very common, but only two
plants seen which had
not been frostbitten.

May 6 - west of Holmes Run
on small tributary just
south of Lee Boulevard, $2\frac{1}{4}$
mi. s. of west of Falls
Church, Fairfax Co.

sparingly wooded bottom
land and open pine woods.

- 20 *Cypripedium acaule* Spreng.
common under pines

- 21 *Vaccinium stamineum* L.
occasional under pines
22 *Mitchella repens* L.
common under pines

base of plant not enlarged,
flowers bright yellow,
petals glossy above.
roots slender
tufts, culms spreading
larger plant with stems,
petioles, spathe and
spadix entirely green,
flowers ♀, stigmas white;
smaller also green except
inside of flap of spathe
slightly bronzed ~~and~~
flowers ♂, anthers deep
purple. leaves of both
green beneath, larger
one glossy.

leaves light green, petals
and sepals deep bronze,
lip variegated magenta-pink.
- bush 7 dm tall, flowers
white.
prostrate, berries scarlet.

40

1945 - Virginia

- 2323 *Ranunculus abortivus* L.
common in bottom land.
- 24 *Krigia virginica*
rare in openings in bottom land
- 25 *Ranunculus*
common in wet bottomland
and in water
- 26 *Hedysotis caerulea* (L.) Hook.
common in openings

~~#~~

- May 7, 1945 - Sleepy Hollow,
1 mi. S. of Falls Church
- 27 *Luzula campestris* var. *bulbosus* Voss
under pines in old field
(same colony as # 27282)
- 28 *Hedysotis caerulea* (L.) ~~Hook.~~
under pines in old field
(same colony as # 23281)
- 29 *Vicia*
dense colonies along roadside

Same May 24

- 30 *Lonicera bella* Zabel f. *candida* Zabel
~~#~~ weedy old field with
scattered young trees.

Same May 31

- 31 *Gratiola*
on subsoil fill where sewer
has been laid through
wooded bottom land.

Fairfax Co.

41

- petals yellow, short.
- flowers orange
- petals yellow, short.
- corolla lobes lavender
above, with yellow 9-lobed
eye, each lobe bi-lobed.

anywhere bearing small
white tubers?fls. lavender with
yellow eye.weakly erect, flowers
magentabush, m. tall, fruits
scarlet, translucent.
(same bush at # 23302)plant succulent,
fragrant, corolla tube
curved, prismatic, greenish
yellow, limb white.

- June 4, Sleepy Hollow, 1 mi.
s. of Falls Church
- 23332 *Allium vineale*
common in disturbed ground
in wet wooded bottom-land.
- 33 *Ligustrum*
single plant in wet
wooded bottom land
- 34 *Carex*
slope in pasture
- 35 *Veronica*
common on slope in pasture
- 36 *Hypoleuca perfoliata*
occasional in pasture
smaller plants in rocky
place.
- 37 *Morus*
old tree on slope in pasture
- 38 *Asplenium*
rocky place in pasture
- 39 common on slope in pasture
- 40 *Malva*
common in trampled
place in pasture
- 41 *Lysimachia*
common in trampled
place in pasture
- 42 *Panicum*
old field, somewhat brushy
- 43 *Dianthria apicata*
old field, abundant
- 44 *Ulmus americana*
bottom land and second-growth
thickets, occasional

flowers clear lavender
shrub, m. tall,
flowers white, somewhat
unpleasantly fragrant.
spreading tufts
fls. bluish, ephemeral
flowers deep purple.

tree 8 m. tall (same tree
as = 23332)
fertile fronds erect
flowers white, 2 mm.
a lvs. across.
flowers lavender,
glabrous within.
flowers yellow.

Tufts
Mass collection to show
variation in pubescence + leaf
outline. largest leaf of distal
5 selected from twigs on lower branch.

44

1945 - Virginia

same loc. June 6

23245 *Ulmus*old field growing up to
young trees and brushJune 6 - Steep hollow, $\frac{1}{2}$ mi.

s. of Fall Church, Fairfax Co.

46 *Hedysarum purpurea* (L.) T. & G.
along road in second-growth
woods.47 *Ceanothus*along road in second-growth
woods.48 *Ulmus americanus*
wooded bottom land along
stream

June 10 - same loc. 1 mi. S. FC.

49 *Penstemon*
old field, rather wet,
burned several years
ago - large colony.

June 12 - same loc.

50 edges of thickets in old
field, top of low ~~bank~~ meadow51 *Triplodium*abundant
common

Fairfax Co.

45

mass coll. off largest
leaf of terminal on twigs
from about 1-6 m. tall
saplings.mass collection, one shoot
from each clump in
an area of $\frac{1}{4}$ acre.flowers purplish pink,
plants caespitose,
clumps up to 0.8 m. tall,
flowers whitetree 8 m. tall (same
tree as #23241, 23246, 23267)erect, flowers dull
purplish on upper
side of horizontal corolla,
pale, glossy and
sulcate beneath.flowers lemon yellow
flower chrome yellow

46 1945 - Virginia - Maryland

23352 *Hedystis purpurea* (L.) Steyermark
occasional

53 *Hedystis purpurea* (L.) Steyermark
occasional

June 15 - Plant Industry
Station, Beltsville, Md.

weedy orchard and roadside

54 *Potentilla recta*

roadside, scattered

55 *Oxalis*

orchard

56 *Lilium candidum*

orchard, small colony

57 *Lepidium*

orchard

58 *Lilium*

orchard, rare

59 *Rumex*

orchard

60 *Juncus*

abundant in orchard

61 *Polygonum*

orchard

June 17 - Sleepy Hollow, Va.
s. of Falls Church, Fairfax Co. Va.

62 *Asclepias*

one plant seen on wooded knoll
at edge of woods

63 *Dysimachia*

disturbed ground, opening
in woods

Fairfax Co. - June 17

brevistylous, flowers
lavender,
longistylous, flower lavender

July 17
Fairfax Co.
decoction
7/17/45

several erect stems
from root crown.

erect from decumbent
base, flowers yellow.
decumbent to ascending,
flowers white.

erect, mostly leafless

calyx with deep red
veins.

flowers yellow.
plants spreading by
rhizomes
dense tufts.

flowers pinkish

corolla bronze without,
green within, hood & base
bronze-purple, lip milky-
red, corolla bright
yellow, red at base in center

48 1945 - Virginia - Maryland

7364 Penstemon

rare in low pasture

65 Rhus

low swampy woods

66 Geran

low swampy woods

67 Lysimachia

low swampy woods

68 Carya

pasture

69 Matricaria

common in pasture, not
much eaten by cattle.

June 20 same loc.

70 Penstemon

old field, rather wet, burned
several years ago

71 Oxydendrum arboreum

old nursery site,
obviously persisting
from nursery stock

June 22 - Plant Industry Station,
Beltsville, Md.

weedy banks along road

72 Medicago lupulina

73 Achillea millefolium

wet ground

74 Apocynum cannabinum

small colony

75 Verbascum

one seen

Fairfax Co. Prince George's 49

corolla white

large shrub, 3 m.
tall, fls. yellow-green

erect, flowers yellow,
reddish in center.
tree 12 m. tall, 2-3 cm
thick, ~~bark~~ ^{bark} brown
- slightly scaly
rays white, disk yellow

erect, fls. very pale lavender

small tree 2.5 m. tall

- prostrate, flowers yellow
heads white
tips ascending

leaves ascending,
- flowers whitish,
flowers yellow

50) Etter 1945 Maryland

27376 *Popolium*

common

77 *Achillea millefolium*
dry ground

same weedy orchard

78 *Barbarea verna*

79 *Poa compressa*
abundant

80 *Melilotus*

81

abundant

82 *Phytolacca americana*

83 *Trifolium hybridum*

84 *Convolvulus*

Prince Georges Co.

51

Plumose awns purpleish
heads white

~~grass~~ caespitose,
leaves erect
not tufted

herb 1.5 m. tall,
flowers yellow.
densely caespitose

~~grass~~ herb 1.8 m. tall,
fls whitish.
flowers pink
vine prostrate on ground
and twining on ~~the~~ weeds.
flower white, stigma
of 3 enlarged, pointed
lobes.

52 1945 - Virginia

June 23 - Thornton Gap,
headwaters of Thornton River.

edge of cleared roadside,
73385. *Cornus alternifolia* ^{691 m.}

86. *Populus deltoides* Marsh.

87. *Philadelphus*
persisting from old habitation?

88. *Hedysotis*
grassy roadside ditch,

June 23 - head of Hazel
Hollow, east slope of
The Pinnacle

road cut
89. *Potentilla recta*

90. *Hedysotis*
common

91. *Hedysotis*

one tuft seen

92. *Hedysotis*
one tuft seen

Big Meadows Camp Ground,

grassy open woods
93. *Lisyrinchium*
grassy open woods

1100 m.

Shenandoah Nat. Park

53

small tree 4 m. tall, leaves
glaucous beneath,
cymes fleshy, reddish-green
- fruits green.

small tree 5 m. tall
~~pedicel~~ petioles vertically
- somewhat flattened.

bush 3 m. tall, petals
white, almost all shed.
small tufts, flowers
violet

flowers sulfur-yellow
caespitose, flowers
violet

caespitose, flowers
white

caespitose, flowers
lavender

fls. pale blue without,
blue-violet within,
roots yellow.

- ✓ 23394 *Anemone*
- ✓ 95 *Hedystis*

- ✓ 96 *Geranium*

June 27 - Big Meadow Bog

open bog surrounded by low dense woods of *Betula populifolia* and *Crataegus*, ^{surrounded} by grassy meadow

- ✓ 97 *Vicia*

open meadow

- ✓ 98. *Ranunculus abortivus*

open meadow

- ✓ 99. *Corylus americana*

abundant around edges of woods.

- ✓ 23400. *Polygonum canariense*

in open part of ~~the~~ bog

- ✓ 01. *Spiraea*

abundant in open part of bog

- ✓ 02. *Holcus lanatus*

occasional in grassy edge of bog

- ✓ 03

in muddy open part of bog

- ✓ 04 *Galium*

in muddy open part of bog

- ✓ 05 *Carex*

in muddy open part of bog

- sepals greenish-white
small tufts, flowers
varying in different
plants from white
to pale violet.
flowers purplish

of weak stemmed
flowers violet.
erect, past flowering.

brushes 1-1.5 m. tall

shrub 6 dm. tall,
petals white, fruit green.
shrub, m. tall,
flowers white.

dense tuft

erect, flowers white.
spreading tuft.

- 23406 Carex
muddy open part of bog
- 07 Panicum
muddy open part of bog
- 08 Salix
open part of ~~so~~ bog
- 09. Iris versicolor L.
abundant in open part of bog
- 10. Callitrichis heterophylla
in small pool
- 11. Isoetes
in small pools
- 12. Oenothera fruticosa L.
common in open mudd. part
of bog
- 13. Iris versicolor L.
abundant in open part of bog
- 14. Danthonia spicata
in openings in birch woods
- 15. Pinus virginiana Mill.
rare in birch woods
- 16. Panicum
common in birch woods
- 17. Pyrus coronaria
occasional in birch woods.
- 18. Pyrola
common in birch woods

- dense tussock
- scattered solitary culms
and very small tufts
small tree 4 m. tall
- forming beds, larger
perianth segments
pale blue-violet with
yellow claw, smaller
without the yellow.
- submerged portions
with linear leaves,
emerged tips with
broad leaves
quills terete, flat on
ventral side.
- clumps, flowers
bright yellow.
- perianth segments
blue-violet, ~~with~~
larger ones with ~~up~~
yellow claw
- tree 5 m. tall
- small exceedingly
thorny tree 3 m. tall,
sterile
forming colonies under trees

23419. *Convolvulus spithameus*
var. *birch wood* and around
outskirts
20 *Balix*
outskirts of birch-wood,
June 24 - David Spring, Big
Meadows,
- mud below spring
21. *Veronica anagallis-aquatica*
- 22 *Juncus effusus*
23. *Epilobium adenocaulon*
24. *Polystichum acrostichoides*
shaded rocks wet place.
- 25 *Thalictrum*
edge of woods, not muddy.
26. *Trollius heterophyllus* (Walt.) Vail.
wet woods
- 27 *Thalictrum*
edge of woods, not muddy
- 28 *Sisyrinchium*
- 29 *Thalictrum*
edge of woods, not muddy
- 30 *Thalictrum*
edge of woods

erect, not twining,
flowers white, stigma
branches long, thickened,
shrub 1.5 m. tall,
leaves glaucous,
veinlose beneath,
veins impressed above.

erect from decumbent
base, flowers pale bluish
lavender
mass collection of
a single well developed
inflorescence from
each of many clumps,
and herbarium specimen
all from one clump.
flowers lavender pink
striped with white.

fruits glaucous - purplish.

flowers cream - white

fruits green

fls. bluish, ~~pink~~ paler
without

fruits purplish - glaucous

fruits purplish - glaucous

23431. *Arisaema*
wet woods

32. *Thalictrum*
wet woods

33. *Habenaria fimbriata* (Ait.) R. Br.
wet opening in woods.

34. *Betula lutea* Michx.
common in woods

35

open mud
36. *Juncus tenuis*
open mud

37

open mud, common

38. *Veronica*
by spring in grass

39. *Betula populifolia* Marsh.
dry slope above spring

June 24 - Big Meadows Camp.

edge of escarpment

40. *Dryopteris marginalis* (L.) Gray
rocky wooded place

41. *Spiraea betulifolia* var. *cymosa*
(Apm. f. campi)

stems and petioles mottled
glaucous, leaves glaucous
beneath, stalks not fluted,
green with bronze
mottling without
deep purple with white
stripes within, appendage
deep purple with bronze
base, ♀, stigma white
herb 1.5 m. tall, fls
cream white.
flowers clear magenta-pink

tree 8 m. tall, no pitting
twigs green, bark grayish
with thin layers peeling off

bush 1.5 m. tall,
bark white.

flowers very pale pink to
white, pink in center.

23442 ~~Tree~~

under trees, open grassy woods

43 under trees

44 *Hydrophyllum*

in undergrowth

45 *Asclepias exaltata* Muhl.

in brush in open woods

46 *Convolvulus spithameus*

in open woods

47 *Quercus velutina*

common in open woods

48 *Lepidium*

open rocky ground

49 *Lilium antillarum*

open rocky ground

50 *Arenaria serpyllifolia*

open rocky ground

51 *Corylus cornuta*

common undergrowth

52 *Lepturus*

open rocky ground

53 *Vitis*

tangled in underbrush

54 *Quercus*

common in open woods

56 *Galium*

open woods

57 *Rubus*

open woods

58 *Carrot*

open woods

Cæspitosesepals pale green, petals
and pedicels bronze-purple.

fls. white

corolla pale bronze green,
throats pinkish-white,
crest, corolla white, lobed.tree 10 m. tall, bark
yellow within (^{acorn cups}
^{in bands})

plant gray-green,

flowers white

brush 1.5 m. tall

flowers yellowish.

leaves glaucous beneath,

2 tree

tree 8 m. tall, acorns
from ground beneath tree,
flowers maroon roots
yellowpinnocanes ascending
pinnocanes prostrate tips
elongated, flowers white,
loose spreading clumps

64

17459 *Hedysotis*
open woods
same - bog

60 *Juncus*

61 *Oenothera*

same - meadow near bog

62 *Cornus racemosa*
bog colony in edge of cow woods

63 *Lamium*

same - woodson rocky ground
below bog

64 *Panicum*

65

66 *Panicum*

67 *Hedysotis caerulea* (L) Hook.
rocky trail

68 *Viburnum acerifolium* L.

69

70 *Galium*

June 25 Big Meadow Camp

71 *Quercus*
common in open woods

65

small tufts
whole colony with white fls.

bushes 1 m. tall fls
white, with faint
unpleasant odor
fls whitish,

erect
culms solid, large small
tufts
fls. lavender, with
yellowish eye
bushes 1 m. tall
fruits green
fls. yellow
perianth

tree 10 m. tall
(acorns on ground beneath)

66

19115 - Virginia

23422 Oxalis

open roadside

73 Geranium

open roadside

June 25 Big Meadow,
rocky Knob east of meadow

1080 m

74 Althyrium

rocks, crevices

Pitcher's Knoll.

1080 m

75. Tragopogon

open roadside common

~~76 Peltaria sagittifolia (P. G. West.)
common in woods~~June 25 - 1½ mi. S. of
Crescent Rock Pitcher's Knoll

1080 m

wooded slope

78 Ostrya virginiana (Mill.) Koch

June 25 - Crescent Rock

1080 m

79 Corydalis sempervirens
rocks ledgeJune 25 1½ mi. N. of Cedar
Rock

1120 m

78 Isatis tinctoria

open roadside, common.

Blue Ridge Nat Park 67

erect, flowers yellow.

flowers magenta

fronds erect

ligules yellow.

tree 3 m. tall

plant glaucous,
scroll rose with yellow
tips.(has spread in five
years along many miles of river)

68 1945 - Virginia

Shenandoah Nat. Park.

69

June 25 - Biglin's Run w. of
Last Mountain

700 m.

23479. *Platanus occidentalis*
wooded slope below road

June 25 38 mi. n. of
Jefferson River Overlook

100 m.

80 Galium

June 25 Upper Overall
Run, just below Bear Hollow

rocky talus with pools of water

100 m.

31 *Bindia benzoin* (L.) Bl.

32 *Barbara vulgaris*
in old road

33 *Equisetum*

wet broken rock

34 *Silene cucubalus* L.
wet broken rocks

35 *Hedysarum*
roadsides

36 ~~35~~ ravine cut in rocks

36 *Ribes*

37 *Asplenium*

~~38~~ rock crevices

38 rock ledge

39 rock ledge

spreading gnarled
tree

shrub 1.5 m. tall, aromatic
when broken, fruit green
flower yellow
stands

petals white plant
sprawling, branched
at base loose tufts, flowers light
purple

hanging bush, fruit green

ground ascending

70

1945 Virginia

90 *Saxifraga*

wet, shade.

91 *Corydalis*, *zempervirens*

rocky slope

92 *Fragaria*

flat canyon floor - broken rocks, open wood.

93 *Aralia*abundant under a large
*Ficus microcarpa*95 *Viola*

scattered

June 25 Bear Wallows
near head of Overall R.flat rocky ground, wooded,
with marshy places.

800 m.

97 *Oxalis*98 *Acer nigrum* var.
dominicanum99 *Carex*

23500 abnr

common in wet places,

101 *Carex*

102

muddy place, abundant
muddy place

Blanton's Nat. Park 71

leaves rose-brown
beneath, flowers white.tree 10 m. tall, leaves
glossy beneath,
trunk bark scaly.erect, solitary culms
yellowish-white

annual, 1 m. tall

erect, flowers yellow
tree 15 m. tallerect clump
shrub 3 m. tall

low spreading clump

72

1945 - Virginia

23505

muddy place

06 *Viola*

open woods under trees

07 *Lamium*

open in wood under trees

08 →

with # June 30 - Sleepy Hollow,
N. Va. 1 1/2 mi. S. of Falls Church, Fairfax Co.

brushy roadside, edge of oak wood.

08a *Corylus americana*09 *Corylus americana* f. *missouriensis* (Forst.) Gray
growing with 23508 & 2351010 *Malaxis*11 *Malaxis unifolia* (Muhl.) Benth.12 *Batis*13 *Goreopsis verticillata*14 *Linum*15 *Juncus*wet open strip in wooded
bottom - land cleared in
early 194216 *Fentellaria*17 *Hypoxis pratensis*18 *Circaeae*Shenandoah Nat. Park 73
- Fairfax Co.

June 27

*Celtis*College Park, Md. roadside
tree 7 m. tall

bush 1.5 m. tall

bush 1.5 m. tall, leaves
chlorotic in appearance.

leaves pallid beneath,

flowers green

leaves pallid beneath

flowers green

shrub 4 dm. tall

fls. deep yellow, tips orange

yellowish

flowers yellow

solitary or scarcely
caespitose

fls. blue-purple

erect, not caespitose

leaves disced, fls. white

- 1 July 1 - Accotink Creek
where crossed at bridge
of Southern R.R.
marsh along shore of
reservoir formed by the
damming up of creek
- 23, 25, 19 *Scirpus atrovirens* var. *georgianus*
- 20 *Alnus serrulata*
edge of woods, where
small stream enters marsh
- 21 *Juncus*
uncommon in marsh
- 21 *Juncus*
rare
- 23 *Hedysarum*
rare in marsh
- 24 *Juncus*
occasional
- 25 *Ludwigia*
rare
- 26 *Juncus*
occasional
- 27 *Isayeviellum*
occasional
- 28 *Callitrichis heterophylla*
in small slow stream
in edge of marsh
- 29 *Callitrichis heterophylla*
in small slow stream
in edge of marsh
- 30 *Linum*
- 31 *Galium*
- 32 *Eleocharis*
- 33 *Juncus*
common

clumps
shrub & m. tall

isolated shoots

erect

fls blue-violet, paler
without
broader leaves floating,
narrow submerged,
plants limp
submerged, plants
rather springy

flowers yellow
erect, flower white
dense clump
isolated culms

76 1945 Virginia

23534 Carex

occasional

35 *Alisma plantago-aquatica*
common muddy edges of water

36 *Eleocharis obtusa*
common muddy edges of water

37 *Potentilla norvegica* var. *biserrata*,
edges of woods, recently
burned over, above
marsh.

38 *Hedysotis purpurea* (L.) T+G.

39 *Satureja vulgaris*

bottom-lands along creek

40 road embankment

41 *Dryopteris*

42 *Geum*

43 *Fragaria Virginiana*

rocky stream - bed

44 *Dryopteris*
bank above stream

45 near stream

46 *Hedysotis*
July, - between Ravensworth
Station and Accotink Creek

Oak woods on rolling
land

46 ~~Hedysotis~~

47 *Malaxis*

Fairfax Co.

77

clump, stems leafy

petals white

dense clumps

erect, petals yellow

flowers lavender

fls. yellow

fronds erect, recompensable

petal, no bite

fls. yellow

purplish green

fls. green

78 1945 Virginia

- 23543 *Lobelia spicata* var. *scoparia* Nels.
clearing along railroad
49 *Linum*
clearing along railroad
50 *Glechoma trifoliaefl.*
clearing along railroad
51 *Cryptotaenia canadensis*
side of ravine
52 *Galium pilosum*
53 *Panicum boscii*
54
55 *Fagus grandifolia*
56 *Galium circaezanum*
57 *Luzula*
occasional in woods
58 *Mitchella*
occasional mats in woods
59 *Hedysarum purpureum* (L.) T. G.
occasional tufts

• July 6 - Sleepy Hollow, 1 mi
s. of Falls Church, Fairfax Co.

60 *Cleome*
wet subsoil turned up last
winter in bottom-land

61 *Juncus*
wet subsoil turned up last
winter in bottom-land

62 *Daucus carota*
weed along roadside

63 *Daucus carota*
weed along roadside

Fairfax Co.

79

- 23562a *Daucus carota*
weed along roadside
- blooms all purpleish pink
with 2-3-4 out of 12 white
purple flower in center
than the white flowered ones
- with 2-3-4 out of 12 white
purple flower in center
than the white flowered ones
- suffrutescent herb
0.7 m. tall.
fls. white
prostrate
culms rotitany, ascending
culms erect, spikelets
pendent.
tree 8 m. tall, bark
gray.
stems ascending,
roots yellow.
tufts, connected by
rhizomes.
forming loose mats,
fruits green.
flowers lavender.

23562a *Daucus carota*
weed along roadside

dense tuft

small tufts

(1) mass coll. to show relative proportion
of plants with purple flower (23562) in
(16) the center of the umbel to those
without (23563)

- July 8 - Ellins, 1 mi. s. of
Great Falls, Fairfax Co. 900m
woods rather recently
burned by a ground fire
which destroyed the
undergrowth but not the
taller trees, covered
with a growth of herbs.
- 23564 *Circaea quadrangularis*
var.
65 *Galium circaeoides*
66 *Phryma leptostachya*

67 *Hedysarum*
rare
68 *Galium*

69 *Acalypha*
rare

July 8 Great Falls of the Potomac,
Fairfax Co., Va.
rocky flat and tops of low
rock cliffs

- 70 *Ruellia*
edge of open woods.
71 *Hedysarum*
patches of soil and crevices
in rocks
72 *Galium pilosum*
rocks, in pockets of soil

buds purple, flowers
white
- ascending, roots yellow
erect, flowers purplish-
maroon, with white
tube
flowers pale lavender
stems prostrate to
ascending, flowers
- purplish-green
erect

flowers blue-violet
flowers lavender
stems ascending to prostrate

82

1945 - Virginia

73 *Clitoria mariana*

rocky flat

74 *Jussiaea americana*
crevices in rocks in pools
in rocky cascade75 *Veronica virginiana*
rock flat, ~~sand~~ growing
up through deep grass76 *Allium cernuum*
~~sand~~76 ~~77~~ *Uniola*
rock flat, abundant77 *Allium cernuum*
sand on rock flat, commonJuly 14 - 1½ mi. n.w. of Hemlock
Spring Overlook

Shrub

rusty banks above road 930 m.

78. *Prunus virginiana*79. *Epilobium angustifolium*July 15
~~Big Meadow~~ - Big Meadow Campground

oak forest

1000 m.

80. *Corylus cornuta*
common, makes up most of
underbrush

Fairfax - Shenandoah N.H. 83

flowers pale lavender

erect, stems flexuous,
flowers lavender, center ~~yellow~~
of lobe purple, stamens
deep purple.

erect, flowers white

~~loose~~loose clumps, spikelets
- pendent
umbels ~~not~~ nodding,shrub 1.5 m. tall, fruit red,
sweetish but ~~sour~~ and ^{slightly} astringent.
corolla magentabush 1.5 m. tall. note
pubescence, esp. on young
twigs

84 1945 Virginia

July 15 - saddle s. w. of Hawksbill Mt.
n. of Spiller Knoll.

open meadow on gentle west
slope, scattered bushes and
patches of brush.

73581. *Allium cernuum*

82 *Trifolium*

83 *Tragopogon*
common

84 *Nepeta cataria*

85. *Rhus typhina* L.
common

July 15 - Rock Spring shelter,
~~3/4 mi.~~ s. w. of Hawksbill Mt.

1000-1050 m.

wooded ravine

86 *Vaccinium*

87 *Corylus cornuta*
~~spicata~~

88 *Tilia*

89. *Acer nigrum* var.

90. *Prunus pensylvanica*

Shenandoah Nat Park

85

flowers lavender, umbels
nodding. leaves of cat
flowers yellow
erect herb, branching
when older, flowers
pale yellow, bracts
longer than flowers
aromatic. flowers pinkish-white
shrub 1 m. tall, leaves
glaucous beneath, pubescence
of immature fruit rose-purple.

low-bushes, leaves
glaucous beneath, berries blue.
- bush 1 m. tall (note
slant tubes)
- small spreading tree,
leaves green beneath.
tree 8 m. tall, (specimens
from lowest branch). leaves
glaucous beneath.
slender shrub 1.5 m. tall,
fruit bright red.

86 1945 - Virginia

✓ 3591 *Thalictrum*

92 *Oenothera*
common along trail

93. *Betula lenta*
common

July 15 - Appalachian Trail,
west slope Hawkbill Mt.

open woods

1050 m.

94. *Corylus cornuta*

95. *Dryopteris*

96. *Menispernum canadense*

97. *Hedysotis caerulea* (L.)

shaded place along trail

98. *Vaccinium*

clump at all low

99. *Aster*

with
m. foliage to 1500'

✓ 35600 *Quercus*

01 *Anemone*

02 *Tilia*

03 *Corylus americana*

87 Shenandoah Nat Park. 87

leaves glaucous beneath,
fruits glaucous - purplish,
erect herbs 1-~~2~~ m tall,
petals bitter - yellow,
androecium somewhat
zygomorphic.
Tree 3 m tall 1 d m thick,
broken parts with
strong wintergreen odor.

bush 1.5 m tall.

note long tube!

fronds somewhat crisped,
rhizome subterranean,
vine climbing on
bushes, fruit immature,
post flowering

clumps all low, berries
glaucous.

rays lavender, disk
yellow, turning red.

leaves lustrous above,
petiole & midribs reddish

fruits green

leaves green beneath, fls white
shrub

23604. *Acer pensylvanicum*

05. *Smilacina racemosa*

06. *Acer spicatum*

07. *Gaultheria*

08. *Physocarpus opulifolius*

09. *Dicentra canicera*

10. *Acer spicatum*

11. *Hamamelis virginiana*

12. *Lysimachia quadrifolia*

13. *Zizyphus* ^{apetala (gray) 7 cm.} ~~azarae~~ ~~cordifolia~~

14. *Tilia*

15. *Scrophularia*

16.

17. *Hydrophyllum canadense*

18. *Monotropa uniflora* L.

19.

20. *Baptisia tinctoria*

21. *Dioscorea guatemalensis* var. *glauca*

22. *Tilia*

trunk smooth, white
striped, fruiting spikes
pendent, wings green.

- fruits bronze
branches brownish, not
striped, fruiting spikes
pendent, wings reddish
fruit green

- shrub

- fls. yellow (yellow)
fruiting spikes drooping,
wings reddish.

- shrub

erect, fls. yellow with
extreme base of petals
red, margins reddish.
herbage with celery odor

- when broken

tree, flowers whitish
leaves green beneath

^{leaf dark}
corolla red, base green
herbage with a strong
oily odor when broken.

- roots fleshy

- white, odorless

- fruit with oily odor when
broken

- flowers yellow

- vine, fruit green

- leaves glaucous
beneath

- July 15 - trail up west slope of Hawksbill Mt.
23013 *Galium*
wooded slope

July 15 summit of Hawkbill

- low brushy woods of deciduous
trees with *Abies* & *Picea*, on top
rocky cliff
24 ~~Solidago~~ *Hedysotis canadensis* (L.) Hook.
earth in edge of woods

25 *Solidago*

26 *Hydrangea arborescens* L.

27 *Hydrangea arborescens* L.

28 *Spiraea latifolia*

29 *Spiraea latifolia*

July 15 ^{Louis} ~~Brooks~~ Spring Shelter
headwaters of Hawksbill Creek

under hemlocks in bed ^{woden} 910 m
of stream

30 *Maianthemum canadense* Duf.

31 *Clintonia*

32 *Circaeum alpinum*
wet ground

33 *Lycopodium lucidulum* Michx.

flowers red cespitose

past flowering

flowers yellow, scarcely
in flower yet
shrub 1 m. tall, flowers
white.

shrub 0.7 m. tall, flowers
pale pink
spreading clump several
meters across, 0.5 m. tall,
flowers pinkish white,
spreading clump 2 m.
across, 0.5 m. tall, fls. white.

fruit mottled with purple
fruit blue
flowers white, stems succulent

92

1945 Virginia

23634. *Onoclea sensibilis* L
 35. *Fragravertia carolinensis* (Walt.) Britt
 same - deciduous forest
 36. *Aconitum*
 37. *Festuca*
 38.
 39. *Circaea quadrivalvis* "canadensis"
 40. *Impatiens biflora*
 large patch ~~near~~ along
 stream
 41. *Impatiens pallida* L.
 common but further from
 stream than #3640
 42. *Angelica*
 occasional
 43. *Anemone*
~~fall~~ occasional.
 44. *Ceanothus americanus*
 occasional
 45. *Hedysarum*
 common in open woods on
 rocky slope

Shen. Nat. Park

93

steins
 fruit green

- stems prostrate,
 flowers white with greenish
 tinge
 tufts culms arching
 - fls. white
 stems succulent,
 flowers orange, spotted
 with red.
 - stems succulent, flowers
 pale straw-color with
 a few purple spots within
 herb, m tall, fruits
 with strong unpleasant
 oily odor when broken.
 - flowers bright yellow,
 - caespitose clumps
 - clumps, flowers white
 * caespitose flowers
 from ~~pink~~ lavender to
 white. Mass well.
 stem from each clump
 seen in 100 m. along trail.

July 15 - canyon wall
 below Lewis Spring shelter
 but above falls, headwaters
 of Hawksbill Creek
 sparsely wooded rocky slope 900 m.

94

1945 Virginia

- 276 46. *Parthenium integrifolium*
 47. *Acer spicatum*
 bottom of ravine near stream
 48. *Corydalis sempervirens*
 rock crevices or ledge
 49. *Acer pensylvanicum*
 bottom of ravine near stream
 50. *Hedysarum*
 rocky canyon wall
 51. *Oenothera*
 small colony in semi-
 open place

July 15 - Appalachian trail
 just south of and above
 Lewis Spring Shelter,
 headwaters of Haweibill
 Creek.

open slope with scattered 948m
 bushes and patches of brush
 fringy woods.

52. *Betula lenta*

53. *Seropularia*

54. *Asplenium platyneuron* (L.) Presl

55. *Aster*

56. *Seropularia*

57. *Lathyrus vulgare* (L.) Fritsch.

Blk Nat Park.

95

erect, head white
 bush 2 m. tall
 plant glaucous
 shrub 3 m. tall
 caespitose fls. lavender.
 Mass col. of one stem
 from each clump seen
 on about 100m of trail
 erect herbs 1 m. tall,
 flowers bright yellow.

small tree 3 m. tall,
 bark with strong vinegar
 odor when broken.
 branching at base, corolla
 limb maroon, base green
 fruits erect.
 rays lavender, disk reddish
 stems & base purple, corolla
 limb deep purple, base green
 flowers magenta

- ✓ 58. *Geranium maculatum*
 59. *Ceratostylis seifrii*
 60. *Hieracium pratense*
 61. *G. Polygonum*
 62. *Potentilla perforatum*

63. *Lysimachia quadrifolia*

64. *Anemone virginiana*
 common

July 16 - Falls of upper
 Hawksbill Creek below
 Lewis Spring shelter.

steep rocky canyon
 walls, sparsely wooded,
 some talus slopes 1000 ft.
 65. *Aldama fungosa*

66. *Campanula*

flowers purple
 flowers white
 flowers yellow
 flowers whitish,
 clump of herbaceous
 stems, m. tall, fruit
 dull red, immature
 e.g., flowers yellow
 but red center, large
 margins red also
 (all in this colony of the above)
 mass coll - infl. with
 bracts of many plants
 not very close to each
 other - much variation
 in bracts - from small
 + green to large + white.

wire up to 2 in long,
 glaucous, fls. whitish
 turning lavender, limb
 greenish
 erect herb 1 m. tall,
 branching at base, main
 stem with small axillary
 branches, flowers blue-violet
 with tube white.

73667 Sedum
abundant on rocks

67 Woodsia
in rock crevices

69 Actaea
rock crevices, bottom of canyon

70 Asplenium
rock crevices, near bottom of canyon

71 Campanula

72 Dryopteris
rock crevices near canyon bottom

73 Arabis
rock crevices near canyon bottom

74 Polystichum acrostichoides

75 ~~Athyrium~~

76 Galus

76 Tilia
Talus

77 Ceanothus americanus
scattered clumps

78 Draba ramosissima
on ledge covered with
thin talus

79 Juncus
rocky slope

80 Impatiens pallida
rocky slope, shade

forming low mats of fleshy
rosettes, flowers white
tinged with pink,
mostly in fruit
- anthers deep purple
dense tufts.

pedicels thick green.
fruit white.
tufts, appressed to rocks
nephelous, flowers white &
purple compressed
erect.

spreading tree,
fls whitish, leaves
glaucous beneath,
mass coll - one twig from
each clump (herb
specimens from one clump)
dense clumps, on
ledge covered with
thin talus

stems succulent,
flowers clear bright
yellow, red spotted
within.

- 22681 *Coralorhiza maculata*
edge trail in shade, only
one seen.

July 16 - Swift Run Gap

roadsides, 2600'

- 82 *Trifolium arvense*
abundant

- 83 *Trifolium*

July 21 - Jewel Hollow
Overlook,

2900'

84. *Mycena peregrina*
road cut

July 21 - 1/2 mi. n. of
Crescent Rocks

- woods on rocky slope 3500'
85 *Tilia*
edge of woods

- 86 *Hydrangea arborescens*
road cut

87. *Calostoma luteum* (L.) Muell.
deep shade

88. *Hydrophyllum canadense*
deep shade

plant bronze-pink,
sepals and petals bronze
tipped with purple-bronze,
lip white with deep
purple spots.

prostrate, flower yellow

spreading clone, 6 dm.
tall, sweet smelling.

large spreading tree,
leaves somewhat
bluish green beneath
low shrub, ~~staminate~~
fls pinkish, ~~style of young~~
deep pink
mature fruit blue.

roots full golden orange, fleshy

23689 *Ribes*

road cut

90 *Gentheria*

roadside

91. *Ranunculus abortivus*

deep shade

92 *Ribes*

deep shade

93. *Hydrangea arborescens*

road cut

94. *Impatiens pallida*

deep shade

95. *Hydrangea arborescens*

road cut

July 21 - Headwaters of
Thornton River just
below Thornton Guff

96. *Ailanthus altissima*
^{2000'}
abundant along road97. *Ailanthus altissima*
abundant along road

July 21
David Spring, Big Meadows

marshy place below spring 3300-3400 ft.

98. *Hypsericum nudiflorum*99. *Galium*erect herb, 1 m. tall,
fls. yellow

flowers white

fls. clear yellow,
internally finely
dotted with purple
style & free part of capsule
woolly

tree 6 m. tall

tree 4 m. tall, fls. white

flowers yellow
erect, flowers white
3-parted.

104

1945 Virginia

23700 *Eupatorium*~~nest~~

- 01 *Chelone glabra* var. *elatior* Raf
- 02 *Impatiens pallida*
immediately adjacent
to large colony of *I. biflora*,
but relatively scarce
- 03 *Impatiens biflora*
large colony of two
principal color patterns
this and # 3704 growing
mixed
- 04 *Impatiens biflora*
name

July 24 Big Meadows
Bog

- 3300'
- brushy marshy, surrounded
by young *Betula*-*Catalpa*-
Physus wood, surrounded by meadow
 - 05 *Rhus typhina*
scattered colonies in meadow
 - 06 *Rhus typhina*
scattered colonies in meadow
 - 07 *Lycopodium complanatum*
meadow

flwr. Nat Park.

105

erect herb 1-1.5 m. tall,
stems ^{red} purple, with
solid pith, infl. very
convex, pinkish lavender.
herb, m. tall, ascending,
fls. rose inside
stems succulent
flowers clear yellow,
~~are~~ minutely dotted
with purple within.
stem succulent,
1 m. tall, flowers orange,
~~are~~ red spots within
so large that they
run together, making
the interior mostly red
~~are~~ same, ~~the~~ only
lower part of spur
red, spotted, lower petals
red near base.

shrubs 1 m. tall, fruits
with red pubescence
shrubs 1.5 m. tall
fls. dull greenish yellow,
prostrate

23703. *Hypericum mutilum*
bog
10. *Spiraea latifolia*
abundant in bog
10. *Ludwigia*
prostrate
11. *Rysimachia ciliata*
abundant
12. *Rosa*,
large dense colony in marsh
13. *Traudtvetteria caroliniana*
occasional in ~~marshy~~
and meadow
14. *Arisaema stewardsonii*
marshy
15. *Oenothera fruticosa*
abundant in marsh
and along stream leading into marsh
16. *Cobelia cardinalis* L.
uncommon in marsh
18. *Rubus*
common in marsh
17. *Oenothera fruticosa*
abundant in marsh
and along stream leading from
19. *Sanguisorba canadensis*
abundant in marsh

- flowers yellow
- mass sol. one twig
from each of many
clumps, flowers
trinerved white.
- infl. variable in shape.
bronze green, prostrate
- flowers clear yellow
with red center.
- plants 4 ft to 1 m tall,
petals bright rose,
- very little odor.
- fls. white
- past flowering, young
fruit. Leaves clear
green beneath, spathe
tube fluted.
- flowers bright yellow
outside deep red.
- prostrate flowers white
caespitose. flowers bright
- scarlet. foliage greenish
white.

2720. *Veronica virginica*
marsh
21. *Isoetes* dried pool
22. *Veronica virginica*
marsh
23. *Lacalia atripliciifolia*
24. *Paronychia*
dried streambed, stony
25. *Veronica virginiana*
marsh

July 22 Big Meadows
Camp ground

26. *Physalis*

27. *Coraloruga maculata*

28. *Chimaphila maculata*

- erect clump, flowers
pale pinkish
erect clump, deeper
purple pink than
*23720
erect, leaves white
beneath, heads white
erect clump, fls purple,
pink, spikes variously
forked at top. Several
clumps very similarly
forked. All in this
vicinity this color.
with *23722.

- fls pale yellow with
lobed calyxate
maroon spot in
center. Campanulate,
rhizome white, fleshy,
stem leaves purple-
bronze, fls purple-
bronze with white
lip spotted with maroon-
purple.
leaves marked with white,
fls. white. ovary green

110 1945 Virginia

July 22 - Bootens Gap,

920 m

- weeds, opening and road clearings
- 23728a *Galinsoga*
29. *Polymnia canadensis*
dense colony along road
- 30 *Fragaria*
common in opening
- 31 *Campanula*
occasional in opening
- 32 *Hypericum*
- 33 in road
34. *Polygonum aviculare* L.
35. *Plantago major* Mill.
in road
- 36 *Scrophularia*
edge of woods
37. *Cichorium intybus*
common ~~along~~ along roadsides
- 38 *Cynoglossum* ~~thlaspi~~
edge of woods
39. *Chelidonium majus* L.
edge of woods
40. *Lepidium virginicum* L.
edge of woods

Shen. Nat Park

111

- rays white, disk greenish yellow.
- herbs 0.5 - 1 m. tall,
- heads pale yellow.
- receptacle elong-ovoid,
- achenes superficial,
- pecta scarcely developed.
- corolla blue-violet,
- white at base - erect herb,
- erect herb, flowers pale yellow
- spreading tufts,
- prostrate.
- .
- erect, corolla limb
- maroon within, green
- without, tube green
- erect, flowers blue
- flowers ~~pinkish~~ white
- succulent, sap orange.
- flowers yellow.

112 1945 Virginia

July 13 Skyline Drive at
Bush Mt.
roadside

1000 m

23741 *Paronychia*
common

42 *Vicia*

43 *Lathyrus*

July 23 $\frac{1}{2}$ mi. north of
Lewis Mt. Picnic Ground, south
of Bearfence Mt.

1000 m

44. *Astragalus canadensis* var. *canadensis*⁽²⁾ fine
rocky road cut

July 22 Kite's Deadening, upper
end of Pocosin Fire Road

1000 m

45 *Hedysarum*

roadside at base of great rocks

46. *Impatiens pallida*

isolated single plant in
clump of pale forms (23747)
at foot of large rock

47. *Impatiens pallida*

common at foot of rocks
and slope above, not near water

48 *Lobelia inflata*
weedy roadside

Shen. Nat Park

113

reclining ^{edge} other plants
flowers bright pink,
different plants
different colors, leaves
and stems glaucous.

~~rocky road cut~~
erect caespitose herb 1 m
tall, calyx and corolla
greenish yellow, corolla
becoming slightly lead-
color. stems purple.

caespitose, flowers-lavender

erect, stem succulent,
flowers clear yellow,
finely dotted with purple
within.

succulent stemmed herb
1 m. tall, flowers straw color,
finely dotted with purple within.
flowers blue-lavender and
pink-lavender (only one of 4 blue lavender.)

114

1945 Virginia

July 22 - Swift Run Gap,

open weedy meadow
 53749. *Polygonia canadensis*
 50. *Bassafas albidum*

51. *Galium*
 p

July 22 - 1/2 mi. n. of Timmons
 Gap,

wooded slope 711 m.

52. *Ulmus fulva*

53. *Rubus phoenicolasius*
 roadside, large colony

54. *Viburnum acerifolium*
 open rocky woods

55. *Ceanothus americanus*
 steep open rocky woods

56. *Monotropa uniflora*

steep open rocky woods

57. *Hedysarum*
 steep open rocky woods

Shen Nat Park

115

heads pale yellow
 small tree 5 m tall,
 aromatic when broken,
 fruits mostly green,
 occasional ones purple
 with red receptacle.
 branching "terminaloid"
 forming dense ground-
 cover. roots yellow,
 flowers white.

- small flat topped tree
 arching canes, & floricanes
 rooting at tips. fine
 prickles reddish, fruit
 red, slightly tart and
 astringent, burning free
 from the orange canes
 receptacle.

- shrub 1 m. tall,

fruit green.

- mass collection
 of twigs from separate
 bushes
 plants white.

mass coll. of stems from
 separate tufts. fl.
 lavender.

27753 *Coralorhiza maculata*
steep open rocky woods

59 *Oenothera*
road cut talus

July 22 Headwaters of a. fork
of Rocky Mountain Run (Beagle
Run), 3 mi. s.w. of Simon's
Gap.

steep, dry, rocky scrub oak
~~talus~~ slope. 800 m.

59a *Hedysarum*

60 *Vaccinium*
common

61 *Ericocarpus asteroides*

rare

62 *Quercus ilicifolia*

abundant

63 *Nyssa sylvatica*

- rare, but on rocky dry talus

July 22 - just south of
Beagle Gap 900 m.

open weedy slope

64 *Linaria vulgaris*

65 *Vernonia*

66 *Crataegus*

67 *C. Hedyotis*

68 *Monarda*

69 *Plantago lanceolata*

roadside, abundant

70 *Crataegus*

plant bronze, flower
bronze-purple with
white lip with purple spot
herb 1 m. tall, flowers yellow

caespitose, fls. lavender,
spreading claves, all low,
leaves glaucous beneath,
stiff, berries blue,
fls. poor flavor.
rays white

bushes 2 m. tall

small tree 3-4 m. tall

- flowers yellow, petals orange
- flowers deep purple
- small shrub, stems
- flowers lavender
- aromatic herb, fls. pink

small rounded tree 5 m. tall

118

1945 Virginia

July 22 - Scott Mt
(overlook)

roadside thicket

23771. *Astragalus canadensis* var. *canadensis* (L.) Jones72 *Hymenocallis acutifolia*73. *Anemone virginica*.

Aug. 10 - Sleepy Hollow, 1 mi. S of

Falls Church, Fairfax Co

74 *Polygonum orientale* L.

weedy roadside

Aug 12 - same.

marshy place in ~~pasture~~, open bottom land pasture75 *Ludwigia Rotala ramosissima*
common in patches76 *Gentiana lindheimeri*77 *Mimulus ringens* L.
occasional78 *Alisma plantago-aquatica*79 *Penthorum sedoides*80 *Ludwigia palustris*
abundant81 *Nitella*

abundant in pools of water

Fairfax Co. 119

erect claspitose herbs,
fls with calyx and
corolla greenish yellow
turning slightly, lead-
color. Stems purple
shrub 1.7 m. tall, fls pinkish,
erect, claspingerect, spikes crimson,
nodding.

well developed after a very heavy rainy spell.

erect, turning reddish,

~~stout to slender~~ ^{slender} fls. purplish.~~almost~~ erect, basal 1-1.5 dm. thickened
and spongy, corolla
tube white, throat and
limb violet, palate yellow.

throat almost closed by palate

panicles erect, petals 3, white.

flowers whitish

prostrate, mat-forming.

bronzed, fls. green.

fruit orange, plant
somewhat springy.

120

1945 - V. reginae

- 7782 *Paspalum*
edge of stream
83 *Echinochloa*
marsh

Aug 13 - same
reddish acid soil on bushy old field
knoll, very little topsoil.

84 *Rhus copallina*85 *Rhus copallina*

Aug 16 - same
86 marshy ^{cotton-land} pasture

86 *Lindernia*
abundant in wet place87 *Paspalum laeve*

common

88 *Paspalum*

common

89 *Helenium*
only one seen

Fairfax Co.

121

loose clump

loose clumps

bush 1 m. tall, branching ♂
- flowers greenish yellow.
bush 1 m. tall, branching,
young fruits pinkish-
purple, glaucous.

plants varying greatly
in slenderness and in
color of stems, length
of pedicels, size of
corollas. corollas lavender,
spreading tufts, grazed
spreading to erect, grazed.
discs reddish, rays
chrome-yellow.

Aug. 13 - Thornton Gap

bushy slope along road
23790. *Euonymus*
roadsides, probably escaped

- 91. *Polygonum*
climbing over brush
- 92. *Ridens*
- 93. *Clematis virginiana*
climbing over brush
- 94. *Monarda fistulosa*
common on open roadsides
- 95. *Quercus velutina*

Aug. 13

Boatman's Gap

- 97. *Plantago rugelii*
stony roadbed.

Aug. 13 Thornton Gap

- 96. *Polygonum cuspidatum* Sieb. & Zucc.
roadsides

Crescent Rocks

- 98. Rock ledge
- 97. *Liatris*

extensively creeping,
forming a dense mat
about 2 dm. thick.
sterile.
~~Extensive~~ vine, fls. white
fls. yellow.
extensive vine,
flowers white, fruit
immature.
erect, fls. pale lavender,
tree 15 m. tall, inner
bark dull orange,
leaves with darks'
wily luster.

^{much}
hollow-stemmed. ^{branchy}
herb 2 m. tall, flowers
white, fragrant.

caespitose, erect, bright purple fls.

124

1945 - Virginia

23793. *Agrostis perennans*
199. *Poa compressa*
23800 *Paronychia*
01 *Arabis*

Aug. 13 Big Meadows

bog, mostly overgrown
with tall grasses and sedges
or *Epilobium*

03. *Polygonatum flexuosa*
large patch

04 *Epilobium*
common in bog

05 *Lycopodium*
occasional

06. *Lobelia cardinalis*
common locally -

07 *Aquilegia*
meadow

08 *Vernonia*
common in bog

Aug. 17 - Pine Fields Reserve

rocky slopes with thin woods
09. *Agrostis perennans* (Walt.) Tuckern. ^{det.} scattered

Aug. 19 - same

10. *Panicum lindheimeri*
11 *Spiranthes*
rare

Flor. Nat. Park

125

erect, panicle nodding
- erect
- flat topped
glaucous, flowers white

flowers pink
aromatic, flowers
purplish white

flowers white, rhizome
with white fusiform enlargement
erect, in clumps, corolla
deep scarlet, anthers
dull gray, beard white
erect

erect, clumps, flowers
deep bright purple

small tufts, erect

small tufts
flowers white, roots fleshy

23812. *Panicum huachucae* Ashe
 13. *Climaphila maculata*
 not common, under trees
 14. *Gaultheria procumbens*
 occasional
 15. *Lespedeza hirta*
 Aug. 19 - Skyline Drive n.w.
 of Pinefield Leants
 rocky road-cut.
 16. *Hieracium scabrum*
 17. *Hieracium paniculatum*
 18. aster
 19. *Arctium*
 20. *Pteridium aquilinum* (L.) Kuhn
 talus
 21. *Iatris*
 22. *Polygonum*
 23. *Euphorbia maculata*
 roadside
 24. *Hedysotis*
 25. *Hedysotis*
 opening in ~~scrub~~ brush on ridge

- large tuft, culms prostrate
 leaves dark dull green,
 marked with white.
 rhizome prostrate
 subterranean, fruit green,
 broken parts with
 wintergreen odor.
 erect clump, flowers cream-
 white with red spots at sides.
 roots milky
 erect clump with few
 stems, flowers yellow.
 erect, flowers yellow
 erect, rays lavender, disk
 reddish
 flowers purple
 large leaves on a basal
 rosette, fertile part
 of plant 3 dm. tall,
 much branched,
 rhizome deeply buried
 erect, flowers rose-purple
 twining over weed.
 nodding
 small tuft.
 flowers lavender to
 white (the whiter over shade)

23326. *Diodia teres*
small but dense patch in open
Aug.¹⁹ Ridge from main ridge of Blue Ridge
to Rocky Mt.
wooded ridge of broken quartzite
27. *Stellaria pubera* Michx.
28. *Polygonum*
29
30. *Gaultheria*
31. *Eupatorium*
abundant along trail
32. *Polygonum pensylvanicum*
33. *Ampliflora bracteata* (L.) Fenzl
34. *Lemnaceae*
35. *Parietaria pensylvanica*
multicellular
36. *Gaylussacia baccata* f.
with #23838, rare
37. *Tephrosia*
common
38. *Gaylussacia baccata* f.
with #23836 but much more common
39. *Lyonia ligustrina*
uncommon
40. *Vaccinium*
uncommon
41. *Xerophyllum asphodeloides*
good sized colony on dry west side
with *Quercus ilicifolia*

flowers lavender-pink

- flowers white
vine climbing over plants,
— flowers white
— fruit green
— roots bright yellow
flowers white
erect, flowers pink
turning, flowers cream-white
erect clump
apparently attacked
by a mosaic disease
bush 1 m. or less, tall,
— fruits black, flavor good
grayish, caespitose
bush 1 m. tall, fruits with
bloom
bush 1 m. tall
bush 1 m. tall upper
stems green, berries blue,
flavor good
caespitose clumps,
old fruits only seen

- 23842 Angelica
 43. *Quercus prinus*
 dominant tree
 44. *Quercus marilandica*
 common in scrubby forest
 45. *Quercus marilandica*
 common in scrubby forest
 46. *Ipomoea repens*
 rare on dry brushy slope

Aug. 19 - slope of Rocky Mount

- dry, quartzite slopes,
 alternating open talus,
 brush and patches of food
 47. *Quercus marilandica*
~~shrub~~ common on brushy ~~slope~~
 48. *Castanea pumila*
 rare on brushy slope
 49. *Euphorbia corollata*
 openings

51. *Vitis*

51. *Aster linifolius*
 occasional in openings
 52. *Asclepias verticillata*
 quartzite talus, rare
 53. *Quercus coccinea*
 occasional in brushy slope

erect herb, stems purple
 and tree, leaves less deeply
 lobed than usual
 small tree, 5 m. tall,
 fruit not mature
 small sterile tree
 prostrate

shrub 2 m. tall

shrub 1 m. tall

flowers no blue, very green,
 mass collection to brown
 variation in shape of appendages
 woody vine leaves
 blue-glaucous beneath,
 petioles reddish fruit
 green

rays purple, leaves
 stiffish
 flowers white

tree 6 m. tall, sterile

23354. *Quercus ilicifolia*,
abundant on rocky slopes,
forming a bushy, Chapman-
like vegetation.

55. *Quercus manilandica*
~~common~~ abundant on rocky
slopes in brush with
Q. ilicifolia.

Aug. 19 - top of summit
ridge of Rocky Mt.

edge of eroded quartzite
56. *Pinus strobus* L.

57. *Anaphalis margaritacea*,
small colony

58. *Solidago*
occasional on open rock

59. *Rhus toxicodendron*
small colony under trees

60. *Melanphyllum linearis* a. *latifolia*
occasional in openings

61. *Xerophyllum asphodeloides*,
colonies scattered along ridge

Aug. 20 - Pinefield, Beartooth
~~mt.~~

rocky slopes

62. *Hieracium paniculatum*

63. *Graphalium*

woolly clearing

64. *Vitis*

edge of clearing

mass collection of
twigs from ~~one~~ different
individuals to show
leaf variation

mass collection
to show variation
in leaf outline

small tree or tall
cone, on ground under tree
scrub

erect, flowers yellow
strictly erect, on m.
- tall
corolla white, opening
- yellow.
deep pitos

erect, flowers yellow

woolly vine climbing
over trees, stems

134 1945 - Virginia

23865 Pyrola

mixed woods, small colony

66. *Malaxis unifolia* Michx.
mixed woods, only 2 plants seen

67. Linum

small colony, shaded

68. Paronychia

occasional, shaded

69. ~~Hedera~~

69. Solidago

shade near stream

70. *Hypericum gentianoides*
road in weedy clearing.

71. *Crataegus*
colony of small plants in fields
Aug. 20 - just n. of Loft Mt.

weedy roadside

72. *Erigeron canadensis*

73. *Cambessedesia trifida*
large colony

74. *Oenothera*

occasional

75. *Cirsium discolor*

occasional

76. *Lactuca sepiaria*
common

Aug. 20 - Simmons Gap, east slope,
upper left fork of Ivy Creek,

wet bottom of canyon,

77. *Mentha spicata* L.
abundant in mud
between large rocks

135

veins pubescent, raised

on glossy upper leaf surface.

(fruiting plant collected same
place Sept. 15).

stem not glaucous,

- flowers yellow

flowers yellow, fruit red.

shrub 1 m. tall, flat topped,
sterile.

erect, heads white

herb 2 m. tall.

erect herb, flowers yellow

herb, 1 m. tall, much

branches, heads bright purple,
flowers pale yellow.

27878. *Vernonia glauca*
occasional in wet ground
79. *Viola*
small to large colony
80. *Epilobium*
occasional in sand
81. *Polygonum virginianum*
small colony on wooded slope
82. *Verbena urticifolia* L.
uncommon in wet place.
83. *Impatiens biflora* f.
wet place
84. *Stachys*
wet place, only one plant seen
85. *Symplocarpus orbiculatus*, Moench
roadside
86. *Impatiens biflora* Walt.
large colony in wet stream bed
87. *filene*
wet stream bed
88. *Eupatorium perfoliatum* L.
small colony
89. *Lobelia siphilitica* L.
occasional in wet stream bed
90. *Mimulus ringens* L.
common in wet stream bed
91. *Juncus*
rare, in deep weed vegetation
in wet place

- herb 1.5 m. tall, flowers
~~deep reddish~~ purple
~~sand brown~~
- tall, much branched herb,
flowers pink
erect
- erect, flowers white,
much larger individual seen.
two or three plants seen
of this form, cream color
with fine red dots,
among large colony of
orange form (# 23886)
erect, flowers white
- small shrub
- herb 1 m. tall, stem succulent
corolla orange with
bright red spots.
- corolla white, calyx
with deep green ribs.
- leaves rugose, heads
dull white.
- corolla deep violet
- erect, flowers ~~blue~~
lavender

138 1945 - Virginia

23392 *Leersia oryzoides* (L.) Sw.

wet place

93. *Panicum clandestinum* L.
roadsides

94. *Laportea canadensis* (L.) Poir.
moist, dessicating roadside ditch

95. *Carya ovata* (Mill.) Koch
edge of stream

96. *Alnus*

edge of stream

97. *Carpinus caroliniana* Walt.

98. *Eupatorium*

99. *Tsuga canadensis* (L.) Carr.

23900. *Diospyros virginiana* L.
wet stream bed

01. *Sanguinaria canadensis*
wet place

02. *Prunus americana*

Shen. Nat. Park

139

tangled mass

- erect, stinging,
fruit translucent, fleshy.
tree 15 m. tall, 4 dm.
thick, bark detaching
in large pieces, fruit
globose

- thicket-forming shrub
3 m. tall

- tree 6 m. tall,
erect herb up to 2 m. tall,
stem with solid pith,
mottled green without,
purplish at nodes,
heads lavender

- tree 15 m. tall, symmetrical.
cones pendent, leaves
with a glaucous
band beneath on
either side of the midrib.

- tree 6 m. tall, bark
finely checkered, leaves
glaucous beneath,
reticulate veined.

- leaves glaucous,
rhizome orange,
fleshy.

- small thorny tree,
fruit orange red, fleshy,
sour.

140

1945 - Virginia

Aug. 20 - road up left fork
Gray Creek, below Limmons
Gap, 1/2 mile west of Sullivan
P.O.,

roadside on steep slope

23903

04. *Cassia virgiana*

common

05 *Digitaria*06 *Digitaria*07 *Digitaria*08 *Digitaria*09. *Cleusine indica* (L.) Gaertn.10 *Pedum*~~tall grass~~

Aug. 20, - Culpeper, Culpeper Co.
11 *Polygonum pensylvanicum*
very abundant in abandoned
garden

Aug. 27 - Holmes Run at Lee Blvd.,
2 1/2 mi s. of Fall Church, Fairfax
Co. Va.

low wet clearing with pools
of water and densely overgrown
with tall weeds.

12 *Echinochloa*
in wet recently disturbed sandy soil

Shen. Nat. Park

in paper - 2. Finney & Co.

141

24150

Desmodium glabellum
(Burm.) Et.

24153

Desmodium paniculatum
(L.) DC.

24156

Desmodium strictum
(Pursh) DC.

24154

Desmodium ciliare
(Burm.) DC.tall,
int.
each
from a
lant.

spreading to erect tufts
mass coll., each panicle from a
different tuft.

140

1945 - Virginia

Aug. 20 - road into salt bank
 Icy Gap P.O.

ms
Ellison

23903

04. Cas.

05 Di
06 Di
17 Di
08 Di
09. Clel
10 Leo

Cat

Am
11 Poly
ver
ga

Aug. 21

low wet clearing with pools
of water and densely overgrown
with tall weeds.

12 Echinochloa
in wet recently disturbed sandy soil

spc

utn.

spc.
wms
ndoned

Blk.
Tripl.
go milt.

Shen. Nat. Park

paper a. Fairfax Co.

141

spreading
~~prostrate~~ tufts
flowers yellow

- erect
- spreading
- erect
- spreading
- spreading

herb 1 - 1.5 m. tall,
flowers pink.
mass coll. each
inflorescence from a
different plant.

spreading to erect tufts
mass coll., each panicle from a
different tuft.

Aug. 20 - road up left fork
Ivy Creek, below Limnoox
gap, $\frac{1}{2}$ mile west of Sullivan
P.C.

roadside on steep slope

23903

04. *Cassia virgitanum*

common

05 *Digitaria*

06 *Digitaria*

07 *Digitaria*

08 *Digitaria*

09. *Cleisino indica* (L.) Gaertn.

10 *Pedum*

~~Culpeper~~

Aug. 20, - Culpeper, Culpeper Co.
11 *Polygonum pensylvanicum*
very abundant in abandoned
garden

spreading
~~prostrate~~ tufts
flowers yellow

- erect

- spreading

- erect

- spreading

- spreading

herb 1 - 1.5 m. tall,
flowers pink.
mass coll. each
inflorescence from a
different plant.

Aug. 27 - Holme Run at Lee Bluff,
2 1/2 mi. s. of Falls Church, Fairfax
Co., Va.

low wet clearing with pools
of water and densely overgrown
with tall weeds.

12 *Echinochloa*

in wet recently disturbed sandy soil

spreading to erect tufts
mass coll., each panicle from a
different tuft.

- 23913 *Echinochloa*
somewhat drier ground about
3-5 dm. higher than #23912
- 14 *Polygonum pensylvanicum*
wet, recently disturbed sandy soil
- 15 wet recently disturbed sandy soil
- 16 *Cephalanthus occidentalis* L.
- 17 *Cephalanthus occidentalis* L.
- 18 *Cephalanthus occidentalis* L.
- 19 *Galium trifidum* var. *tinctorium*
~~wet~~
- 20 *Luzula atrovirens*
- 21
- 22 *Luzula apposite*
abundant, forming tangled mats
- 23 *Lobelia cardinalis*
var.
- 24 occasional
- 25 occasional
- 26 *Cuscuta*
common on Aster and various
other plants

- erect tufts, mass coll.
each panicle taken from
a different tuft.
- erect plants, flowers
pale pink, mass coll. of
inflorescences each taken
from a different plant
- erect clump, panicles
nodding.
- shrub 3 m. tall, all
duds from same plant.
- shrub 2 m. tall (all from sandy)
same
- erect plant supported by
woeds, flowers white.
- erect, single culm (fruitless)
- infl. from different individuals
- large clump, culms
ascending, panicles
stiff, purple.
- diffuse, tangled,
cutting the other, spikelets
pale green.
- erect, corolla scarlet
- erect, flowers white
- erect, flowers white
- threadlike, golden, inflorescences
thicker, green, flowers white.

- Aug. 27 - same
dry sandy woods with
stagnant wet places,
- a little open but shaded
- 35917 abundant
- 38 *Ludwigia palustris*
in open sandy places
- 39 *Lycopodium*
along stream bank
- 40 *Gaultheria*
along stream bank, rare.
- 41 *Citrus* few
in steep brush
- 42 *Elymus*
all over sand & gravel,
- 43 near stream
- 44 *Rubus hisp.*
occasional
- 45 *Cobaea splendens*,
rare
- 46 *Festuca*
occasional
- 47 *Hieracium*
occasional
- 48 *Analis spinosa*
edge of woods, common
locally
- inf. of many species, in fact
woods, specimen from each
fairly old upper leaf, lower leaf,
old wood.

erect, culms solitary
or several together,
green to tan, tan to green
when under surface of
ground, flowers white.
prostrate decumbent

solitary or small
tufts, fl. 3-4.
erect herb 1.5 m. tall.

herb 1.5 m. tall, rays
greenish yellow, disk green
corolla scattered.

erect, catiflorous, flowers
violet.
erect, flowers yellow

large
floral
parts

singly stemmed shrub
& m. tall (others taller,
& branched), old wood
very spiny this year
growth with few spines,
leaves changing upward,
leaflets becoming larger.

- Sept 2 - Bank of Potomac River
just below Gravelly Point
Airport Alexandria
Shrubets along river
- 23439 *Sisyrinchium angustifolium*

40 *Polygonum aviculare* L.

- Sept 2 - Westover, 1 mi. S.
Alexandria, flats along
Potomac River, low past.
along path in forest woods.

41

Common vine, twining
in bushes, and trees,
flowers white, pink green,
black with stiff white hair.

- Sept 2 - Accotink, 1 mi. S. W.
of Alexandria, Fairfax Co., Va.
roadsides

- 42 *Triodia flava*
common with the ordinary purple
form (#2342) for about 1 mile
long ~~the~~ ^{the} ~~old~~ ^{old} highway

- 43 *Triodia flava*
common, growing well
of in form (#2341)

more spreading, not
especially tufted, especially
one-faced, especially
drooping.

nest clump, panicle
diffuse ~~terminal~~ drooping,
dull light green.

nest clump, panicle
diffuse ~~terminal~~ drooping
deep dull purple.

148

1945 - Virginia

✓ 49 left. s - woods e. of
Glenston. Fairfax Co.

✓ 50 wet deciduous woods -
in flat ground

✓ 51 944 Pav. com.
45 Lobelia puberula Wister
roadsides

✓ 46 Lycopodium obscurum
common in drift wood areas

✓ 47 ~~Rhexia~~ Rhexia
roadsides, albeded

48 Fagus grandifolia
common in woods,

✓ 49 left. s - open lot.

50 open ground
Perilla frutescens var. crispa
of ageratum

✓ 50 left. s. of Glenston, low
level above Potomac. Fairfax Co.
flat riverbank, partly
wooded

51 Eriogonum spectabile
clony in roadbed

Fairfax Co.

149

erect, flowers violet.

erect

flowers rose-color

t. to 2 m. tall, trunk
5 dm. thick, gray, branches
drooping. Many col.
of twigs from many
trees, tree from each tree
to allow variation
in pubescence. (fruits
twig, all from ~~the~~ as here sp.)

erect, not yet in flower,
several unseasonably
earliest. Spikes
4 in. long, bracts imbricate.

tufted, culms spreading,
plant stiff

- 13951 *Fagus grandifolia* var. *variolosa*
edge of Bluff over-wash
~~gravel~~
52 *Hedera* sp. leg. under

- 53 *Celtis occidentalis*
several small trees
on edge of Bluff.

near Potomac River at
Sop. 7-2 - little known tree
2-3 m. - fruit 1/2 m.m.
~~Potomac River~~. 7 mi.
E. of Alexandria, Va. per. 5.
an old peninsula covered
by scattered spruce

- 54 *Cucurbita foetidissima* HBK
grass clearing, probably
introduced or other
introduced plants such
as Citrullus, Cucumis, etc.
nearby. several plants
seen.

- 55 *Mitchella repens* L.
open woods, slightly
higher ground than
surrounding country

- 56 *Gaultheria trifolia*
open woods

- 57 *Polygonia clevelandii* R.
~~thick~~ woods, small along

- tree 8 m. tall, stem thick,
branches drooping.
leaves pinnate
plant white, stems
purple at nodes, flowers
blue violet

- a small tree 4 m. tall,
trunk 8 cm. thick,
gray, fruit dull copper-
color, sweetish, but
not much flesh.

- prostrate vine, herbage
all scented, rough.
fruit very young somewhat
longer than thick, 3 celled,
striped light green on
dark green - plants
almost sterile.

- prostrate, fruits scarlet.
(fruit terminal, or palely
whitish)

- plant prostrate to
slightly ascending.
rays yellow

- 5959 *Microtropis*
small colony on friable
silt banks no feet above
at edge of river estuary,
going under cut bank
scrubbing, brush & woods
- left. 2 Hunting Creek, ^{estuary} just
south of Alexandria, Fairfax Co.
tidal marsh
- 59 *Physocarpus opulifolius*
- (60) *Aconia cannabinus* ♀
- (61) " " ♂
abundant in marsh
- 62 *Echinochloa walteri*
occasional
- 63 *Echinochloa walteri*
occasional
- 64
- 65 *Cuscuta*
parasitic on *Polygonum*,
Impatiens & other plants.
- 66 *Gaura*
higher ground, roadside,
very rare.

the fertile ground erect
rooted freely

- bush 2.5 m. tall many
stemmed, branched.
erect herbs up to 2 m. tall,
apparently strictly dioecious,
stems hollowed
out by insect larvae,
filled with water.
- tall, weak-stemmed,
spikelets green (with #2790)
same but ~~spikelets~~ glumes
dark purple and green,
(not always same amount
of purple, some all green)
- tall, infls. at most
nodes, spikelets purple.
stem filiform, yellow,
infls. thicker, greenish;
flo. white.
- ~~stems~~ diffusely branched,
flowers ~~white~~ pinkish.

Sept. 3 - Sleepy Hollow, Rd 1 mi.
S. of Fall Branch, Fairfax Co.
moist ground in glade

22967

- 48 *Solanum nigrum* L.
- 49 *Polygonum hydropiperoides*
- 50 *Bidens bipinnata* L.

with Sept. 8 - same

10⁹, 71 *Polygala verticillata*
brushy old field, low ground

Sept. 8 - along Turkeycock
Run, $\frac{1}{3}$ mi. N. of Fairland,
6 mi. W. of Alexandria,
Fairfax Co. 10-30 m
in and around boggy places

- 72 *Lechea* flat sterile open ground
- 73 *Hypericum gentianoides* flat sterile open ground
- 74 *Bulbostylis capillaris* (L.) Willd. flat sterile open ground
- 75 *Lespedeza repens* (L.) Benth. & flor of old abandoned gravel pit

76 *Rubus*
thicket on floor of old gravel pit

- 77 *Eupatorium* flor of old gravel pit

78 *Lycopodium obscurum*
woods on small slope,
small colony.

fls. white, fruits green
more or less erect,
spikes rose-pink, pendent,
rays yellow

flowers purplish

~~Magnolia bog (see ~~part of Ward's~~)~~

basal rosette prostrate
scape erect,
erect, ~~gray~~ red.

small tufts

prostrate, flower
pinkish purple with
banner deep purple.
canes erect, leaves
whitish beneath
erect, flowers grayish-
white.

156

1995 - Virginia

- 7977 *Vitis cordifolia*
open sterile ground
- 80 *Tilia americana*
gravelly sphagnum bog, open woods, no
^{a magnolia by}^{H. B. D. & W. A.}
- 81 *Ludwigia palustris*
open streamlet in sphagnum bog
- 82 *Osmunda cinnamomea*
old bottom-land near stream
only one plant seen (with #1995)
- 83 *Bryophyllum pinnatum f. obliquum*
- wooded bottom land near stream,
(with #1995)
- 84 *Thlaspi arvense*
rare in soft gravelly soil
- 85 *Drosera rotundifolia*
large colony on wooded
bottom-land near stream
- 86 *Cyperus*
in mud of marsh, in bottom
of old gravel pit
- 87 *Magnolia virginiana*
abundant in swampy bottom
- 88 *Uniola lata*
wooded bottom-land
- 89 *Lycopodium*
muddy spot in swampy
~~bottom~~ old gravel pit.
- 90 *Cyperus strigosus*
muddy place in old gravel pit
- 91 *Rhytidospora*
muddy place in old gravel pit
- 92 *Lycopodium*
muddy place in old gravel pit

Fairfax

157

- erect, flower yellow
fruit greenish white. shrub
1 m. tall.
- prostrate, basal age
orange.
all sterile
- all plants seen sterile
- large prostrate,
shallowly buried.
small colony
- 1-2 m. tall, leaves
white beneath
spreading, prostrate
in clump, spikelets
arranged spirally
leaves purple beneath,
flowers white.
- solitary culms,
spikelets, green
more or less caespitose,
weak (note 2 sets of flower heads)
prostrate stems with lvs.
patent, more or less distichous erect
stems with lvs. appressed, not distichous.

158

1945 - Virginia

27743 *Diodia teres* Walt.abundant on open & sterile
flat groundSept. 9 - Potomac River at
west of Mount Vernon, 1 km.
e. of Alexandria, Fairfax Co.
dry, sterile gravelly soil
with rubbish dumped
here and there.

94

occasional

95 *Diodia teres* Walt.

common in patches

96 *Lespedeza*

occasional

97 *Rosa*

edge of thicket

98 *Symphoricarpos orbiculatus* Moenchcommon ~~at~~ in openings

and edges of thickets

99 *Solanum lycopersicum* L.

several plants in old rubbish pile

24000 *Lespedeza*

abundant in roadside patches

301 *Citrullus vulgaris*several plants on old
rubbish heap

Fairfax Co.

159

erect, fls. pink - lavender

prostrate lower
branches forming long
radiating vines
flwr. dull pale salmon
color with keel spirally
curved, pods terete
fls. lavender - pinkflowers deep maroon - purple
mound-shaped bush
of arching canes, 2 m.
fruits orange in
erect clusters
shrub 1 m. tall, fruits
immature
fruits red.flowers deep purple
distally
several prostrate branching
stem from central root. flowers
greenish yellow, somewhat immature
fruit, ellipsoid, from another plant.

Sept. 10 - Lee Blvd. 0.6 mi. s. of
Falls Church, Fairfax Co.
roadside, edge of cultivated
fields.

24002

Polygonum pensylvanicum L.
wet ground, edge of field,
abundant

03 *Bidens*

abundant, forming large
patches of bright yellow

04 *Cuscuta*

abundantly parasitizing
Hedysarum and incidentally
other weeds on roadside

Sept. 15 - east approach to
Swift Run Gap, just below
Lydia,

roadside in disturbed soil 850 ft

05 *Hedysarum stipulaceum*

plants from simple
to much branched
at base, flowers
pink, occasionally
quite pale. Mass
coll. of an inflorescence
from each of many
separate individuals.
seed, rays bright
crimson yellow, disk
darker. Plants varying
in size from small
ones a few cm. tall
with one or 2 heads to
large ones a meter tall
with many heads.
stems orange-yellow,
inflorescences green. Thicker,
flowers white.

spreading to ascending,
dense clumps of separate
plants.

Sept. 15 - 0.8 mi. s. of
Swift Run Gap, along Skyline
Drive

old field with thickets 2500'

24006 *Paronychia*

disturbed soil

07 *Euphorbia maculata*

disturbed soil

08 *Aster*

low thicket

09 *Agastache*

low thicket

10 *Polygonum*
~~Coastline~~

low thicket

11 *Solidago puberula*

weedy field

Sept. 15 - ravine below
Pinefield Leanto, headwaters
of Ivy Creek.

~~thinly wooded~~ 2400'

rocky slopes - quartzite
chips and blocks.

12 *Polypodium vulgare L.*

small colony in broken
rock flat.

13 *Monotropa uniflora L.*

slope under tree

14 *Gaultheria procumbens L.*

very common on slopes

15 *Vaccinium*

steep brushy slope, apparently
burned a few years ago

rays lavender,

disk yellow, turning red.
herb up to 2 m. tall,
stems square, fls.

lavender

fls. greenish white
plant rather grayish
green, fls. yellow.

rhizomes matted in
crevices.

clumps, already dead.

rhizomes subterranean,
fruit scarlet with strong
wintergreen flavor.
plants 1 dm. tall

- 24016 *Epigaea repens*
+ small colonies seen on
brushy slope, burned a
few years ago.
- 17 *Corallorrhiza* (?)
in deep dead leaves under
overhanging boulder
- 18 *Smilax rotundifolia*
near bottom of ravine
- 19 *Dioscorea guatemalensis* var. *glauca*
steep bare slope in bottom
of ravine
- 20 *Campanula flexuosa*
steep bare slope at bottom
of ravine
- 21 *Aster*
steep bare slope at bottom of
ravine
- 22 *Corallorrhiza* (?)
steep bare slope at bottom
of ravine

prostrate, small patches
stems bronze, ~~white~~ white
when covered by leaves, fls.
bronze, lip not lobed,
whitish, somewhat
spotted with purple,
margins erose ^{purple}, involute
blade with 3 longitudinal
fissures, these inconspicuous,
rhizome fleshy, white,
intricately branched.
rhizome crooked, knotted,
odorless, plant a
branching liana, green,
fruit green.
leaves glaucous beneath.

fls. blue-violet

~~rays~~ flowers lavender

~~the~~ rhizome white, fleshy,
intricately branched, brittle,
stem and flowers bronzed, lip
white with purple spots + margin,
obtuse, margins erose, involute,
& conspicuous longitudinal fissures in center.

- 24023 *Rudbeckia laciniata*
small open flat gravelly stream-bed
in bottom of ravine
- 24 *Carex*
small opening in flat gravelly stream-bed
in bottom of ravine
- 25 *Polygonum*
same small colony
- 26 *Bidens frondosa*
same one plant only seen
- 27 *Erechtites valerianifolia*
same 4 plants seen
- 28 *Menispermum pilosum*
slope
- 29 *Prenanthes altissima* L.
rare on slope

Sept. 16 - ~~Same~~ Firefield Woods,

24024'

- 30 *Spiranthes cernua*
grassy trailside on brushy
slope
- 31 *Botrychium dissectum* f. ~~oblongum~~
grassy trailside on brushy
slope.
- 32 *Hamamelis virginiana*
edge of clearing
- 33 *Tiarella flava* (L.)
edge of clearing
- 34 *Triosteum aurantiacum*
clearing

- erect herb 2 m. tall,
rays yellow, disk green.
clumps, culms weak,
spikes pendent.
fls. greenish
erect.
fls. cream-white.
bush 1 m. tall, leaves
slightly glaucous
beneath,
fls. pendent, greenish
white.

odorless, cream-white,
fls. 3-ranked, lip ovate,
recurved, margin
crispate,

bush 1.5 m. tall, sparingly
in flower, petals yellow.
caespitose, culms erect,
panicles with numerous
branches, purple.
caespitose herb, m. tall,
fruit orange

Sept. 16 - Brown Mt. Parking Overlook,

roadside cleared in brushy wood

24035 *Crataegus*

36 *Coreopsis verticillata*

37 *Polygonatum americanum*.

38 Sept. 16 - Ridge below Brown Mt. Overlook

ridge with low brushy woods and patches
of scrub oak, steep slopes with soil mixed
with broken quartzite

24038 *Polygonatum multiflorum*

rounded ridge top, sparse woods

39 *Angelica*

^{same}

40 *Apis arbutifolia*, var. *atropurpurea* (Britt.) Rob.

^{same}, occasional

41 *Desmodium nudiflorum*

^{same}, small colony

42

^{same}, rare

43 *Solidago caesia* L.

^{same}, occasional

44 *Chimaphila maculata*

^{same}, rare, at base of trees

45 *Xerophyllum esculentoides*

rare, brushy rocky slope

bushy, excessively thorny
tree 4 m. tall, fruits greenish,
caespitose, underground
shoots bright greenish yellow,
fls. bright yellow.
spreading to erect, succulent
herb up to 1 m. tall,
fls. white, fruit immature

rhizome white fleshy, fruit blue, fleshy
fruit with oily odor when broken

brush 1 m. tall, fruits sweet, but very
astringent, purplish-black.
scapes erect or arching, leaves somewhat
glaucous beneath, fruits readily disarticu-
lating.

fruit with oily medicinal odor when
broken

stem somewhat glaucous, heads yellow.

leaves dark green with white along veins.

fruit green
sterile

170 1945 Virginia

- 240 46 *Rosa*
slope in sparse woods
47 *Aster*
same.
48 *Pseudotaenidia montana* Mack.
same
49 *Asclepias quadrifolia*
same, rocky place
50 *Zizia apetala*
same
51 *Hedysotis*
same, mossy bank
52 *Solidago*
same,
53 *Solidago*
same
54 *Solidago*
same
55 *Galium latifolium* Michx.
same
56 *Corallorrhiza* ~~alba~~
same, in deep dead leaves, many
plants not emerging above the leaves
small colony with many individuals

Shen. Nat. Park

171

- shrub 0.8 m. tall, fruit red.
rays straw white, involucral bracts
somewhat appearing fleshy.
fruit with sharp oily odor when broken
leaves slightly glaucous beneath
fruit erect
fruit with sharp oily odor when broken
small tufts, and single plants
heads yellow
heads yellow
heads yellow
tufts, roots yellow
base of stem enlarged, brittle
rhizome white, branched, brittle
plants buried in leaves much distorted & wavy
those emerged, erect, bronzed. Petals
deep bronze, lip oval, not lobed, white
somewhat spotted with purple, palate
with two divergent callusities, blade
with 3 faint plications, margin erose
crenate involute.

172

1945 - Virginia

Sept. 16, Saddle between Brown Mt.
and Brown Mt. Overlook

Open wooded ridge with rounded top 250 ft

24057 *Crataglus*

small colony of three or four
individuals on ridge top

58 *Silene stellata*

~~Coespitose~~ occasional

59 *Chenopodium boscii*

restricted
small colony with numerous
individuals on ridge top

Sept. 16, Northeast Ridge of
quartzite talus slopes, usually
with soil, thin woods and patches
of scrub oak

24060 *Monoctropa uniflora*

bare earth below trail

61 *Dryopteris disjuncta* (Rupr.) Morton

broken rock, restricted colony
with numerous individuals

62 *Angelica*

brushy slope

63 *Andropogon scoparius*

common on ^{other} rock outcrop.

64 *Vaccinium*

edge of brush on rock outcrop

65 *Vaccinium*

open rock outcrop

Shen. Nat. Park

173

small tree, 3 m. tall, bark gray,
fruit red.

Coespitose herb with deep tap root,
petals white, deeply lacerate -
most plants dying up.

dense clumps, erect, whole plant white,
flowers colorless

stems bronzed, leaves slightly
glaucous beneath, fruits bronze,
only odor when broken

tall individuals not common -
fruit blue, sweet, strong but not
unpleasant flavor

2-3 cm. tall, mostly not fruiting.
fruit blue with unpleasant flavor

174 1945 - Virginia

24066 Desmodium

rare on open rock outcrop

67 Quercus

brushy slope

Sept. 16, Top of

broken quartzite ridge

24068 Andropogon scoparius

open ridge

69 Aureolaria pedicularia

open ridge, rocky trail

70 Pinus rigida

open ridge among enormous
rock fragments

71 Pinus pungens

same

72 Pinus virginiana

same

Sept 16, North slope of

quartzite talus, brushy woods

24073 Menziesia pilosa

74 Hamamelis virginiana

common

75 Menziesia pilosa

76 Xerophyllum asphodeloides

common

77 Diervilla lonicera

Plant, growing in open patch of
broken rock

Shen. Nat. Park

175

Plant erect

Small sterile tree 5m. tall

plants ascending, sweet-scented, fls.
yellow
scrubby tree 5m. tall.

scrubby tree 5m. tall

same

brush 1.5 m. tall, leaves slightly
glaucous beneath

bush 1m. tall, fls. yellow - very
few bushes seen with flowers

bush 1.5 m. tall, leaves slightly
glaucous beneath

Despitate, old fruiting stalk erect

shrub up to 1m. tall, mostly in fruit
(but a few yellow, ^{axillary} flowers on some stems)

176

1945 - Virginia

Sept. 16, Broad flat bench on North
slope

sandy flat and gentle slopes with
abundant *Gaultheria shallon*,
some other shrubs, scattered young
pines, *Xerophyllum* very common.

24078

Epigaea repens

sandy slope, very small colony

79 *Solidago* (?)

sandy slope, rare

80 *Xerophyllum asphodeloides*

very common

81 *Lycopodium complanatum*small colony on flat under
brush82 *Melampyrum lineare* pectinatum

occasional on flat

83 *Gaultheria procumbens*

common

Sept. 16, Ridge running North from,
, near "Rock Castle"Quartzite ridge, wooded but with
open outcrops24084 *Aureolaria*

occasional in woods

85 *Viola*

bare, mossy sloping rock outcrop

Sept. 17 - Pinfield, Leanto,

(rocky stream-bed)

86 *Chelone glabra*

Skene Nat. Park

177

prostrate, mat-like.

caespitose, ~~epiphytic~~ yellowcaespitose, old fruiting stalks erect
rhizomes deeply buried, plant
sterile.

flowers yellowish-white

Rhizome buried, fruits pendent, red.

ascending, flowers yellow

One open flower seen, violet

caespitose, herb 1-2 m. tall, fls.
white with purplish veins.

178

1945 - Virginia

- 74027 *Lactuca*
common in clearing
88 *Chenopodium*
occasional in clearing
89 *Lespedeza*
roadside

Sept. 17 - just east of
Washington, Rappahannock Co.
~~common~~ along pasture fence, bottom

- 90 *Campsis radicans*
91 *Diospyros virginiana*

Sept. 21 - near western tip of
Seashore State Park, Cape Henry,
Princess Anne Co. Va.
sand flat with scrub 1 m.
oaks and other shrubby
trees

- 92 *Galium hispidulum* Michx
under trees, common
93 *Bidens bipinnata* L.
roadside, small colony
94 *Lespedeza stipulacea*
abundant along roadside

45 Sept. 21 - 1 1/2 mi. E.S.E. of western
tip of Seashore State Park, Cape
Henry, Princess Anne Co. Va. 0°
~~near~~ edge of swamp along
highway.

Seashore Nat. Park

179

- some plants up to 3 m.
tall
herb up to 1 m. tall,
larger ones branched.
prostrate, mat-forming.

200 m.
of small valley.

- vine climbing on fence.
fls. brick red.
tree 8 m. tall, leaves glaucous
beneath, fruit not quite
mature.

plant erect,
roots and rhizomes yellow,
fruit lead-black, fleshy.
fls. yellow

forming dense mat-like
growth.

180 1925 Virginia

- 24095 *Diodia teres* virginiana L.
low sandy roadside

- 96 *Scirpus microcosmus* Fern (E. microcosmus)
edge of water, sandy mud bottom
97 *Juncus canadensis* J. Gay det.
edge of water, sandy mud bottom
98 *Cephalanthus occidentalis*
~~etc.~~ in standing water

- 99 *Hypericum gentianoides*
sandy roadside, uncommon

- 24100 *Lysimachia striata*
sandy roadside

Sept. 22 - near western tip
of ~~the~~ Seashore State Park,
Cape Henry, Princess Anne Co.
coastal scrub on sand 0-4 m.
dunes and flats.

- 01 *Paspalum*
grassy roadside, common
02 *Rudbeckia hirta*
grassy roadside, common
03 *Diodia teres* Walt
dunes above beach, common
04 *Zostera marina* L.
shallow sandy bottom
(brought in by fishermen with
gill net)

Seashore State Park Princess Anne Co.
181

prostrate, flowers of the
palest lavender, fruits
even in axils well buried
in sand.

dense clump, culms erect,
panicles pendent.

caespitose, culms spreading,
terete, weak.

shrub 3 m. tall, branches
with 2, 3, or 4 leaves at a node
on same plant, uppermost
bearing short flowering,
flowers white.

prostrate, ~~etc.~~

spreading tufts.

rays yellow, disk dark
brown

flowers lavender

sterile

182 1945 - Virginia

- 24105 *Setaria viridis*
roadsides
06 *Solidago sempervirens*
wet depressions
07 *Salix longipes* var. *wardii* (Nels.) Schneid.
wet depressions
det. C.R.B.
08 *Solidago odora*
shaded sandy slopes, common
09 *Bulbostylis capillaris*
wet sandy depression, common
locally
10 *Solidago minor*
colonies in open sandy places
11 *Lonicera sempervirens*
occasional in edges of
thickets

12 *Polygonella articulata*
small colony on sandy roadside

13 *Cassia nictitans* L. var. *nictitans*
roadsides, hard sandy ground
14 *Gnaphalium obtusifolium* ^{lvs. stem} ~~polycephalum~~ L.
roadsides, one seen
15 *Aster*
common locally, roadsides and
open places
16 *Polygala procumbens* L.
~~occasional~~, open roadsides
17 *Quercus marilandica*
one seen
18 *Lespedeza cuneifolia*
one seen, roadside

Seashore State Park, Princess Anne Co.
183

- tufts, culms spreading
at base.
erect, leaves thick, flowers
yellow.
shrub 1 m. tall, leaves
glaucous beneath.
caespitose, heads and
involucres golden yellow.

rhizomes buried, heads
yellow, corolla base
woolly twiner, leaves
glaucous beneath, flowers
dull crimson without
orange within, fruit scarlet
(rarely flowering now)
seed ^{lvs. stem} pleated green, turning
reddish, flowers pinkish
white.
prostrate from tap root,
leaves sensitive, petals
yellow, anthers pale purplish
erect. [Pods stiffly erect.

erect, branched, up to 1 m.
tall, leaves green, rays
white, disk yellow.
prostrate

shrub 2.5 m. tall, somewhat
grayish green.
erect.

184

1945 - Virginia

- 24119 *Paspalum*
one clump seen, edge of thicket
- 20 *Solanum nigrum* L.
~~sold~~ ^{rare}, roadside
- 21 *Triodia flava* (L.) Spreng.
occasional along roads
- 22 roadsides, common
- 23 *Digitaria*
occasional, with # 24124
- 24 *Digitaria*
common, with # 24123
- 25 ~~Elettaria~~ *Eriostis spectabilis*
common in sandy open places
- 26 ~~Eragrostis~~ *Eleusine indica* (L.) Gaertn.
common in roadbed
- 27 *Pyrus angustifolia*
2 plants seen, edge of thicket
- 28 small colony in edge of thicket
- 29 *Cnidoscolus stimulosus*
occasional on landward
side of sand dunes
- 30 *Carex kobomugi* Ohwi
abundant on sand slopes
- 31 *Helianthemum canadense*
rare on sandy slope in open
- Sept. 23 - same
- 32 *Oenothera humifusa*
brushy dunes

Seashore State Park, Princess Anne Co.

185

- erect clump, older
culms over 1 m. tall
fruits green, turning
black, fls. white
erect, in small tufts,
panicle drooping purple
culms ascending, spiky
purpleish,
erect, hairy
- erect, almost smooth
- panicle purple
- spreading tufts
- small shrubs 1.5 m. tall,
sterile
- rays yellow, plant 1 m.
tall
- prostrate, several
stems from deep root;
stinging hairs
- extensively ramifying
below surface of sand,
leaves and spikes
emerging

flowers lemon yellow,
leaves gray, entire or almost
so.

186

1946 - Virginia

24133 *Oenothera humifusa*
brushy sand dunes

34 *Cyperus filiformis*
common in open sand

35 *Solidago*
only one seen.

36 *Diodia virginiana* L.
not common in sand

37 *Eupatorium corollatum* Michx. 187.
under brush of thicket

38 *Foeniculum vulgare* L.
roadside, not common.

39 *Eragrostis pectinaceum*
colony near parking area

40 *Cyperus retrorsus* var. *cylindricus* 187
low wet sandy place, common

41 *Cyperus albomarginatus* Michx. latifol.
uncommon, low wet sandy place

42 *Cyperus lancastriensis* Lister 187.
~~uncommon~~ ^{occ.} in low wet sandy place

43 *Cyperus iria* L. 187.
common in low wet sandy place

44 *Ipsomoea*
small colony ~~along~~ near
parking place

45 *Ipsomoea*
small colony near parking place

46 *Citrullus vulgaris*
one extensive plant near
picnic place

same - mixed woods, mainly
oak - hickory, on sand slopes

187.

Cape Henry State Park Princess Anne

187.

flowers yellow, petals
obcordate, leaves gray,
toothed.

small spreading tufts
erect, fls. yellow

prostrate, fruit white
and green striped
decumbent herb, 1 m.
or more long, fls. white.
herb 1.5 m. tall, lightly
aromatic, flowers yellow.
spreading tufts

culms spreading to erect
(*C. sabulosus* M. & S.)

same as
2 3 4 5
187.
Cyperus odoratus
of *Cyperus strigosus*

culms spreading

& apparently annual,
twining on weeds, flowers
blue,

apparently annual, twining
on weeds, flowers white, small
prostrate, flowers
lemon yellow.

188

1945 - Virginia

- 24147 *Paspalum*
steep sand slope, common
- 48 *Hieracium gnomonii* L. det.
steep sand slope, occasional
- 49 *Cyperus planifolius* L. det.
steep sand slope, occasional
- 50 *Solidago* det.
steep sand slope, rare
- 51 *Gnaphalium obtusifolium* L.
steep sand slope, occasional
- 52 *Solidago* det.
steep sand slope, occasional
- same - open forest of
Pinus taeda, along road.
- 53 *Desmodium paniculatum* (L.) DC. det.
pilose, stems
cading to erect.
- 54 *Desmodium ciliare* (Muhl.) DC. det.
det.
- 55 *Desmodium glabellum* (Mx.) DC. det.
det.
- 56 *Desmodium strictum* (Pursh) DC. det.
det.
- 57 *Cassia nictitans* var. *hebecarpa* Fern.
abundant locally
- 58 *Cassia nictitans* var. *hebecarpa* Fern.
occasional (not far from # 24158)
- 59 *Paspalum*
occasional
- 60 *Cassia nictitans* var. *nictitans*
common / wetter place than
same, wet ~~slopes~~ depressions
along railroad right-of-way.
- 61 *Juncus* ~~cinereus~~ f. ~~giganteus~~
common
- 62 *Cyperus polystachyos* (L.) DC.
common locally in drying pool

Cape Henry State Park, Princess Anne Co.

189

erect clumps
flowers yellow
fls. yellow

yellow, mostly
in bloom yet.

diffuse
to almost prostrate
vs spreading

et, diffusely
n'king, fls. yellow.

caespitose, terete
spreading tufts.

188

1945 - Virginia

24147 *Paspalum*

steep sand slope, common

48 *Hieracium gnomii* L. ¹⁰⁹
steep sand slope, occasional49 *Cyperus plukenetii* Tern. ^{det.} ⁷⁷⁰
steep sand slope, occasional50 *Solidago* ^{det.} ⁷⁷⁰
steep sand slo.51 *Gnaphalium obt.*
~~steep~~ sand s52 *Solidago* ^{det.} ⁷⁷⁰
steep sand ssame - open f.
Pinus taeda, at53 *Desmodium paniculatum*54 *Desmodium ciliatum*55 *Desmodium glabre*56 *Desmodium strictum*57 *Cassia nictitans*

abundant loca

58 *Cassia nictitans*,

occasional (not f)

59 *Paspalum*

occasional

60 *Cassia nictitans*

common (wetter place man

same, wet ~~dry~~ depressions

along railroad right-of-way.

61 *Juncus* ~~scirpides~~ ²⁴¹⁵⁷⁻⁸ ⁷⁷⁰
common62 *Cyperus polystachyos* (L.)
common locally in drying pool

Cape Henry State Park, Princess Anne Co.

189

erect clumps

flowers yellow

fls. yellow

fls. yellow, mostly
not in bloom yet.caespitose, stems
spreading to erect.

- same

- same

- same

erect, diffuse

erect to almost prostrate
culms spreadingerect, diffusely
branching, fls. yellow.

caespitose, terete.

spreading tufts.

188

1945 - Virginia

24147 *Paspalum*

steep sand slope, common

48 *Hieracium gnomii* L. ^{det.}

steep sand slope, occasional

49 *Cyperus planifolius* Tern. ^{det.}

steep sand slope, occasional

50 *Solidago* ^{var. involucrata} ^{det.}

steep sand slope, rare

51 *Gnaphalium obtusifolium* L.

steep sand slope, occasional

52 *Solidago* ^{spp.}

steep sand slope, occasional

same - open forest of

Pinus taeda, along road.53 *Desmodium paniculatum* (L.) DC. ^{det.}54 *Desmodium ciliare* (Muhl.) DC. ^{det.}55 *Desmodium glabellum* (Ma.) DC. ^{det.}56 *Desmodium strictum* (Pursh) DC. ^{det.}57 *Cassia nictitans* var. *hebecarpa* farr.

abundant locally

58 *Cassia nictitans* var. *hebecarpa* farr.

occasional (not far from # 24158)

59 *Paspalum*

occasional

60 *Cassia nictitans* var. *nictitans*

common (wetter place than # 24157 & 8)

same, wet ~~steeper~~ depressions

along railroad right-of-way.

61 *Juncus* ~~scirpoides~~ farr.

common

62 *Cyperus polystachyos* (Coch.)

common locally in drying pool

Cape Henry State Park, Princess Anne Co

189

erect clumps

flowers yellow

fls. yellow

fls. yellow, mostly
not in bloom yet.caespitose, stems
spreading to erect.

same

same

same

erect, diffuse

erect to almost prostrate
culms spreadingerect, diffusely
branching, fls. yellow.

caespitose, terete.

spreading tufts.

190 1945 - Virginia

- 24163 *Fimbrina squarrosa*
occasional in drying pool
64 *Rotala ramosissima*
occasional in drying pool
65 clump in drying pool
66 *Panicum*
common in drying pool
67 *Polygonum*
in pool of water
68 *Diodia virginiana* L.
in pool of water
same low wet place
69 *Ascyrum hypericoides* L. ^{det. R. M.}
rare
70 *Panicum*
common
71 *Panicum*
uncommon
72 common locally
73 *Lespidea procumbens* ^{det. 2/11}
along road, occasional
same - low oak woods
on sand dunes
74 *Sorghastrum nutans*
along road
75 *Gnaphalium obtusifolium*
rare
76 *Galium pilosum*
one plant seen

Cape Henry St. & Br. Princess Anne Co.

191

- spreading small tufts,
heads green
plant tinged with red

spreading.
fls. white.
fls. white, lobes pilose

low bush
spreading tufts
spreading tufts.
culms ascending

culms erect, panicle
pendent.

192

1945 - Virginia

- 24177 *Hieracium gnomonii* L.
rare, one plant seen

707.

same - *Pinus taeda*
woods, along road
Lespedeza cuneifolia
small colony

- 79 *Strophostyles helvola*
small colony seen

Sept. 24 - same, low oak woods
on sand dunes

- 80 *Diodia teres* Walt.
sandy openings

- 81 *Polygonum dumetorum*
twining on brush

- 82 *Galium hirspidulum* Michx.
steep sandy slopes

Sept. 24 - about a mile west of
east end of cut-off highway,
Seashore State Park, Cape Henry,
Taxodium-Nyssa swamp
with black water and
sandy flats adjoining it.

- 83 *Andropogon*
very abundant along
roadsides (with # 24184)

- 84 *Andropogon*
occasional along roadsides
(with # 24183), even in edge of woods

- 85 *Lolium*
small colony along roadsides

Cape Henry State Park Princess Anne Co.

193

flower yellow.

fl. white with purplish
tint, plants erect,
erect.

fls. pink, beard
purple, twisted.

wiry, fls. lavender

erect clumps, stems
glaucous (not intergrading
with # 24184, not so tall)

erect clumps, stems green,
(not intergrading with # 24183,
taller, tops nodding)

erect, heads yellow

216 *Nyssa sylvatica* var. *biflora* (Walt.) Sarg.
one of dominant trees in
swamp, growing in water.

87 *Panicum*
abundant on small sand
bank along road

88 *Ludwigia alternifolia*
edge of water

89 *Smilax rotundifolia*
edge of water

90 *Mitchella repens* L.
sand flats and to edge
of water

91 *Lyonia ligustrina*
in water

92 *Parthenocissus*
near edge of water, common

93 *Utricularia*
in water, submerged

94 *Lyonia ligustrina*
just above edge of water

95 *Berehemia scandens*
thicket at edge of water

96 *Solidago*
in edge of water

97 growing in water

98 *Fagus*
~~sand~~ near edge of water

tree 15 m. tall, stem thick,
swollen at base, (others
much larger), these
specimens taken from
basal shoots. fruit
- black, fleshy.

- culms erect to ascending
from basal tuft of leaves

erect, suffrutescent
- 1.5 m. tall, stem ^{spongy at base} climbing
woolly vine climbing
many feet into trees,
fruit not quite ripe
on upper branches.

prostrate, mat forming,
fruit scarlet.

bush 2 m. tall

tufts, culms spreading
stems up to 1 m. long,
sparsely branched
shrub 1.5 m. tall

woolly vine tangled in thicket
stems.

erect, fls. yellow.

mostly sterile.

tree 10 m. tall, bark
gray even to twigs.

196

1945 - Virginia

- 24199 *Lycopus*
edge of water, common
- 24200 *Bidens discoides* (7.9.) Brit.
edge of water, common
Sept. 24 - cut off highway
about middle, Seashore
State Park, Cape Henry,
roadsides in cypress swamp
- 01 *Polygonum pensylvanicum*
occasional
- 02 *Erechtites hieracifolia*
common
- Sept. 25 - western edge of
Seashore State Park, Cape Henry,
Princess Anne Co. sand flats
- det. 79.H.
- 03 *Carex longii*
pine forest, rare
- 04 *Galactea regularis*
pine forest, common everywhere
- 05 *Gelsemium sempervirens*
pine forest, common
- 06 *Chrysopsis graminifolia*
pine forest, common
- 07 *Opuntia*
~~cylindrica~~ column
~~opposita~~ bushy coastal sand dunes
- Sept. 25 - Norfolk, Norfolk Co.
- 08 *Atriplex*
weedy places on waterfront

Cape Henry State Park

Princess Anne Co. 197

- long stolons, some bearing
fusiform enlargements, fls. white
erect, brittle, fls. yellow
- erect, flowers pink
fls. yellowish
- prostrate, dull green
fruits on short arching
branches, sterile branches
prostrate, up to several
m. long, straight.
fruit compressed.
flowers bright yellow
- ~~coarse~~ prostrate from
tuberous root, joints
lying flat, fruits turning
red.
- dull green, recumbent
much branched herb 1-1.5 m. long.

198

1945 - Virginia

- 4 Sept. 29 - Sleepy Hollow 1 mi.
S. of Falls Church, Fairfax Co.
wooded bottom land 80 m.
- 24209 Callitrichie
damp ~~soil~~ ground in small garden
partly shaded.
- Sept. 14, same
- 10 Botrychium dissectum ssp.
weedy woods, occasional
- 11 Polygonum pensylvanicum
disturbed ground in pasture
and recent clearing nearby
- 12 Polygonum pensylvanicum
cultivated ground
- Oct 14 - Bank of slough just
across from Washington Island,
near end of Memorial Bridge,
Arlington, Va. 3 m.
- 13 narrow strip of woods, mostly acer.
- 14 Sycamore
climbing extensively on bushes
- 15 Acer negundo L.
- 16 Acer negundo L.
- 17 Acer saccharinum L. abundant
- 18 Polygonum

Fairfax Co.

199

small tufts

(f. obliquum ~~ssp.~~ is
found in same general area)
mass coll. from same colony
as Fassett mass coll. made
in August. The more leafy
plants are from more sheltered
places. Some variation in flower
color but not much, most
are quite crimson.

~~considerable~~ Mass coll. to
show variation in flower
color - considerable variation
from crimson to pale pink
but most plants crimson.
flowers deep crimson

herbaceous vine

Tree 12 m. tall, 2 dm. thick, stems green
seedlings 2 m. tall, stems green
tree 2 m. tall, 5 dm. thick, leaves white beneath
twining on bushes

1945 - Virginia

19 200 Oct. 18. Sleepy Hollow, 1 mi. s. of Falls
A. 24219 *Berberis thunbergii*
shaded in wooded bottom-land
20 *Acer rubrum* L.
24: second growth woods on bottom-land
in and around edges of woods

Fairfax Co.

201

Oct. 19 - Arlington (Lyon Park),
Arlington Co. Va.

21 weed in garden, somewhat shaded
Polygonum scandens L.

Oct. 2, just n.w. of Woodville
Mass.

12 *Acer rubrum* L.
mixed woods on top of low
rounded rocky hill
of 58 - 17 are red or reddish
41 are yellow with
red petioles
(1 bush yellow with a few red lvs.)

Fairfax Co.
bunch

spindly bush 1 m. tall; fruit orange-red.
slimbs and small trees 1-5 m. tall
mass coll. of one leaf from each
of 109 plants, not selected
except for well developed autumn
coloring and undamaged outline.
These sorted into those with no
red color (6), those with red petiole
and yellow blade (65), those with
reddish petiole and yellow blade
with one reddish patch (3) and
those with reddish petiole + blade (35)
Herbarium specimen still green.
shaded plants all have blades
yellow, those in sun either
yellow or reddish. Blades on
3 trees, that were transplanted 4 years
ago from shade to sun were yellow.
No extensive variation in a single plant
as far as color is concerned.

herbaceous twining vine, climbing into small trees. fruiting calyx pale green.

mostly bushes and young trees, some larger, somewhat shaded. Mass coll. to show variation of autumn coloration - no leaf from a plant, selected only to show good coloration and complete outline.

1945 - Massachusetts

1202

Oct. 21 1 mi. s. of Westboro

24223 *Acer rubrum* L. seedlings and
swampy edge of small bushes
meadow at lower mass, coll.
edge of patch of woods as in 24222

6 yellow
with red
petioles
32 red

24224 *Acer rubrum* L.
upper edge of same
woods as 24223 along
dry semi-shaded
roadside

small
brushes,
and sprouts

7 yellow with
red petioles
15 yellow
tinged with
red
12 red or
orange.

